BILL NO. S-85-08-2

2.0

SPECIAL ORDINANCE NO. S- 164-85

AN ORDINANCE approving City Utilities Purchase Order Number A-44925 by the City of Fort Wayne by and through its Department of Purchasing and Compusystems, Inc., for office automation to be integrated into operating departments as requests are received.

NOW, THEREFORE, BE IT ORDAINED BY THE COMMON COUNCIL OF THE CITY OF FORT WAYNE, INDIANA:

SECTION 1. That City Utilities Purchase Order #A-44925, between the City of Fort Wayne, by and through its City Utilities, and the Department of Purchasing and Compusystems, Inc., respectfully for:

the purchase of Hardware requirements to support Infrastructure Management and Office Automation Systems as per the specifications in reference Bid #743;

involving a total cost of Four Hundred Forty-Five Thousand Three Hundred Eighty and No/100 Dollars (\$445,380.00), all as more particularly set forth in said Purchase Order, which is on file in the Office of the Department of Purchasing and is by reference incorporated herein, made a part hereof, and is hereby in all things ratified, confirmed and approved.

SECTION 2. That this Ordinance shall be in full force and effect from and after its passage and any and all necessary approval by the Mayor.

Councilmember

APPROVED AS TO FORM AND LEGALITY

Bruce O. Boxberger, City Attorney

seconded	Read th	e first tin	ne in full a	and on motion by	Henry
by title	and ref	arran to th	10 000000 - 11	duly adopted	read the second time
due legal	l notice	for recomme	endation) an	d Public Hearin	dete (and the City in to be held after by Building, Fort Wayne
Indiana,	on		, the	ers, crty-count	ty Building, Fort Wayne day of
		A 13		_, at	g'clock .M.,E.S
	DATE:	8-13	-85	Landra	) fo. Lennedy
	Dond th				ENNEDY, CITY CLERK
	~ 1	- X All	0	nd on motion by	Denry lopted, placed on its
passage.	PASSED	(LOST)	by the fol.	lowing vote:	topied, placed on its
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BURNS		V			
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SCHMIDT		V			
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	75			/	
DATE	: 9-	10-85.		SANDRA E. KEN	MEDY, CITY CLERK
P	assed an	d adopted	by the Commo		he City of Fort
Wayne, Ind	iana, as	(ANNEXATIO	ON) (APPRO		
				RESOLUTION) NO	ENERAL)
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,	ATT	EST:		(SEAL)	, 19_00,
La	1. )	F. Lenne	.,	Mark &	
				. Tark (	Chief) -A
SANDRA E. F				PRESIDING OFF	/
Pr	resented	by me to t	he Mayor of	the City of F	ort Wayne, Indiana,
on the	110	day_day	of _	Leglen bu	19 85
at the hour	of	11:3	O o'clo	ck () .M.	,E.S.T.
					f. Lennedy
					EDY, CITY CLERK
. Ap	proved a	and signed	by me this	11th day of	Septe-1
1985,	at the h	our of	4:00	o'clock	.M., E.S.T.
			1		/
				WIN MOSES TO	MANOR

Tab Sheet - Bid No. 743 Open: April 18, 1985 at 10:00 a.m.

TOTAL BID

286,235.00

IBM

335,046.00

\$1,550.00/Delivery

Compusystems

Burroughs

445,380.00

## STATE BOARD OF ACCOUNTS FOR CITY UTILITIES AND CIVIL CITY OF FORT WAYNE 1980

#### City of fort wayne

DEPARTMENT OF PURCHASES NUMBER ONE EAST MAIN STREET, ROOM 940

FORT WAYNE, IN 46802

MAIL ALL CORRESPONDENCE, CLAIM VOUCHERS, ETC., TO:

Compusystems, Inc. 7720 Bluffton Road Fort Wayne, Indiana 46809

DELIVER TO: DEPART-MENT OR DIVISION

PURCHASE ORDER NUMBER

44925 Page 1 of 4

DATE 07/26/85 REQ. NO.

THE ABOVE INFORMATION MUST APPEAR ON ALL INVOICES, BILLS OF LADING, DELIVERY TICKETS, PACKAGES AND CORRESPONDENCE.

INVOICE IN DUPLICATE





APPROPRIATION AND FUND NUMBER

CASH DISCOUNT TERMS % IF PAID WITHIN DAYS FROM DELIVERY AND ACCEPTANCE OF GOODS OR PERFORMANCE OF SERVICES. (DEDUCTION FOR DISCOUNT SHOWN BELOW) MATERIALS SUPPLIES OR SERVICES

		PLIES OR SERVICES		transport of the Proportion of the Contraction	1/4 (subject to the	UNIT PRICE	AMOUNT
	3900-61н	- Remote Acce - Telephone C - Telephone S - Diagnostic - Microcode S	incort coul ss cons cort Sur	g System - One Year ription Service ole Reporting Monitoring Sulting Service	95		4,200.00
	30048-00	- Onsite Insta Engineers - 90 Day Compr - One Training	Ma oub all reh	nagement  le Reporting ation By Softw		TOTAL SELECTION OF THE	25,570.00
MPLIANCE WITH THE LIVERY DATE RE- ESTED WILL AVOID LLOW UP" CORRE- DNDENCE.	UNLESS OTHERWISE INDI- CATED THE PRICES SHOWN INCLUDE ALL CHARGES FOR DELIVERY, PACKING, ETC., NECESSARY TO COM- PLETE DELIVERY TO DES- TINATION SPECIFIED.	INSTRUCTIONS ON THE BACK OF THIS	DI	HE CONTRACTOR OR VENDOR, / ACCEPTING THIS ORDER, SREES TO THE GENERAL CON- TIONS AND TERMS OF AGREE- ENT ON THE BACK OF THIS OR- R.	EXEMPTION E FURNISHED W INDIANA SALE: CERTIFIC	ATE NUMBER	IF THIS ORDER DOES NOT AGREE WITH YOUR QUO TATION KINDLY RETURN IT WITH AN EXPLANA- TION.
		ORDER PURCHASE IS FULLY COVERE			- 034	508-03	

STATE BOARD OF ACCOUNTS FOR CITY UTILITIES AND CIVIL CITY OF FORT WAYNE 1980

#### City of fort wayne

DEPARTMENT OF PURCHASES

NUMBER ONE EAST MAIN STREET, ROOM 940 FORT WAYNE, IN 46802

MAIL ALL CORRESPONDENCE, CLAIM VOUCHERS, ETC., TO:

DELIVER TO: DEPART-MENT OR DIVISION

DATE

PURCHASE ORDER NUMBER

A - 44925

Page 2 of 4 07/26/85

REQ. NO.

THE ABOVE INFORMATION MUST APPEAR ON ALL INVOICES, BILLS OF LADING, DELIVERY TICKETS, PACKAGES AND CORRESPONDENCE.

INVOICE IN DUPLICATE





APPROPRIATION AND FUND NUMBER

CASH DISCOUNT TERMS % IF PAID WITHIN DAYS FROM DELIVERY AND ACCEPTANCE OF GOODS OR PERFORMANCE OF SERVICES. (DEDITION FOR DISCOUNT SHOULD BE AND

QUANTITY ORDERED	UNIT	MATERIALS, SUP	PERVICES. (DEDUCTION FOR DISCO	Committee and and an interest of the second	LINIT PRICE	AL WARRY BUNGLEY
	li e e		TAX EXEMPT (UNLE	ESS OTHERWISE INDICATED)	. UNIT PRICE	AMOUNT
1		30901-00	CEO Decision E - Spreadsheet Base Functio - Software Sub - Software Tro - On-site Inst Engineers	Base and Personal Da onality bscription Servi ouble Reporting tallation by Sof	ice Etware	10,000.00
10 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1		Central P	rocessing Unit:			
1		E8780-B	Eclipse MV/100 - 32-Bit Proce - Meter-High Ca - 2.0MB Memory - AOS/VS Right	000 essor Cabinet	The state of the s	159,400.00
3		8765	2.0MB Memory Mo (Bringing Total	1 (co 000D)	a. The fire system with	
1			MV/10000 Batter	THE REPORT OF THE PROPERTY OF	have high med and be	9,600.00
		Magnetic D	evices:	Land the state of	vent the thir metal of at the first time assocers	versit of C
2		E6236	354MB Disc Subs	system the discount of	NAME OF TAXABLE PARTY.	an interest to the second
OMPLIANCE V ELIVERY DA UESTED WILI OLLOW UP" PONDENCE.	E WITH THE (CONTROLL OF THE PROPERTY OF THE PR	UNLESS OTHERWISE INDI- CATED THE PRICES SHOWN INCLUDE ALL CHARGES FOR DELIVERY, PACKING, ETC., NECESSARY TO DES- TINATION SPECIFIED.	READ INSTRUCTIONS ON THE BACK OF THIS ORDER	THE CONTRACTOR OR VENDOR, BY ACCEPTING THIS ORDER, AGREES TO THE GENERAL CONDITIONS AND TERMS OF AGREEMENT ON THE BACK OF THIS ORDER.	FUHNISHED WHEN NECESSARY.  INDIANA SALES TAX EXEMPTION CERTIFICATE NUMBER 034508-03	IF THIS ORDER DOES NOT AGREE WITH YOUR QUO- TATION KINDLY RETURN IT WITH AN EXPLANA- TION.
EREBY CERTI ENCUMBEREI RE HAS BEEN		THE COST OF THE ABOVE ES IN THE ABOVE FUNDS A THORIZED AND APPROPRIA	E PURCHASE IS FULLY COVERED AND THAT THE EXPENDITURE THEF ATED.	D BY I HEREBY CERTIFY UPON MY IZED BY A PROPERLY EXECU	Y OWN PERSONAL KNOWLEDGE THAT UTED AND APPROVED REQUISITION	THIS ORDER IS AUTHOR- ON FILE IN THIS OFFICE.
PER_				PER	AGES	The state of the s

APPHOVED BY THE STATE BOARD OF ACCOUNTS FOR CITY UTILIFIES AND CIVIL CITY OF FORT WAYNE 1980

City of Fort Wayne

**DEPARTMENT OF PURCHASES** 

NUMBER ONE EAST MAIN STREET, ROOM 940 FORT WAYNE, IN 46802

MAIL ALL CORRESPONDENCE, CLAIM VOUCHERS, ETC., TO:

PURCHASE ORDER NUMBER A - 44925

Page 3 of 4 07/26/85

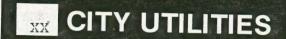
REQ. NO.

DATE

THE ABOVE INFORMATION MUST APPEAR ON ALL INVOICES, BILLS OF LADING, DELIVERY TICKETS, PACKAGES AND CORRESPONDENCE.

INVOICE IN DUPLICATE

CIVIL CITY



APPROPRIATION AND FUND NUMBER

**DELIVER TO: DEPART-**MENT OR DIVISION

CASH DISCOUNT TERMS % IF PAID WITHIN DAYS FROM DELIVERY AND ACCEPTANCE OF GOODS OR PERFORMANCE OF SERVICES. (DEDUCTION FOR DISCOUNT SHOWN BELOW)

ORDERED	UNIT	MATERIALS, SUP	PLIES OR SERVICES	No. of the Con-	State of the state of the state of the	and the second	UNIT PRICE	AMOUNT
			TAX EXEMPT (UN	LESS C	THERWISE INDICATED)			AMICONT
1		E6300	A600/6250 BPI	Ma	gnetic Tape Dr	ive		32,690.00
1		E6194-MA	Dasher TP2 Co	nso	le			4,250.00
1		E1344A	Single Bay Ca	bin	et 60"			2,550.00
1		E1605A	Meter High Ca	bin	et			3,000.00
		Multiplex	ors and Termin	als	•			
2 2 2 2 10		4369 4370 4371-D 4372-D E6167-XA	IAC/8 Modem.C IAC/16 Multip 1-TCB/8 Rack/ 1-TCB/16 Rack, D/460 Monitor	lexe Wal: /Wa:	or L Mount Ll Mount			10,000.00 11,000.00 1,800.00 2,050.00 19,850.00
		Printing D	evices:					
1 7 6		E4327-A 4535-M 4537	300LPM Band Pr OA 50/200CPS F 3 Bin 8.5" Aut	ault	i-Function Pr	inter		8,900.00 28,420.00 9,000.00
		7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7				LINII FOO OTHE		
OMPLIANCE ELIVERY D UESTED W OLLOW UP PONDENCE.		UNLESS OTHERWISE INDICATED THE PRICES SHOW! INCLUDE ALL CHARGES FOR DELIVERY, PACKING ETC., NECESSARY TO COM PLETE DELIVERY TO DES TINATION SPECIFIED.	READ INSTRUCTIONS ON THE BACK OF THIS ORDER	AG DIT ME DE	E CONTRACTOR OR VENDOR, ACCEPTING THIS ORDER, REES TO THE GENERAL CON- IONS AND TERMS OF AGREE- NT ON THE BACK OF THIS OR- R.	EXEMPTION E FURNISHED W INDIANA SALE CERTIFIC	RWISE INDICATED, HOWN DO NOT IN- OF ANY KIND. BLANKS WILL BE (HEN NECESSARY. S TAX EXEMPTION ATE NUMBER 1508-03	IF THIS ORDER DOES NOT AGREE WITH YOUR OUG- TATION KINDLY RETURN IT WITH AN EXPLANA- TION.
EREBY CER ENCUMBER RE HAS BEE	12 4 2 450	THE PART OF THE	E PURCHASE IS FULLY COVERE ND THAT THE EXPENDITURE TO STEEL	21.00	I HEREBY CERTIFY UPON MY CIZED BY A PROPERLY EXECUTE	OWN PERSONAL FED AND APPRO		THIS ORDER IS AUTHOR- ON FILE IN THIS OFFICE.
PER					PER			

STATE BOARD OF ACCOUNTS FOR CITY UTILIFIES AND CIVIL CITY OF FORT WAYNE 1980

#### City of fort wayne

DEPARTMENT OF PURCHASES

NUMBER ONE EAST MAIN STREET, ROOM 940 FORT WAYNE, IN 46802

MAIL ALL CORRESPONDENCE, CLAIM VOUCHERS, ETC., TO:

**DELIVER TO: DEPART-**MENT OR DIVISION

PURCHASE ORDER NUMBER A = 44925

Page 4 of 4

DATE 07/26/85

REQ. NO.

THE ABOVE INFORMATION MUST APPEAR ON ALL INVOICES, BILLS OF LADING, DELIVERY TICKETS, PACKAGES AND CORRESPONDENCE.

INVOICE IN DUPLICATE

CIVIL CITY



APPROPRIATION AND FUND NUMBER

CASH DISCOUNT TERMS % IF PAID WITHIN DAYS FROM DELIVERY AND ACCEPTANCE OF GOODS OR PERFORMANCE OF SERVICES. (DEDUCTION FOR DISCOUNT SHOWN BELOW)

ORDERED UNIT	MATERIALS, SUPPLIES OR SERVICES	Amaria Santaga Mangalanta da Santaga Sa	UNIT PRICE	AMOUNT
	TAX EXEMPT (UNLESS	OTHERWISE INDICATED)		AMOUNT
	30180-07H Fortran 77 (For - Software Subcresser Software Trous - Remote Accesser Telephone Conert - Telephone Software Telephone Software Telephone Software Telephone Software Subcreased	ription Service ble Reporting Monitoring sulting Service tware Support pport Service scription Servi Software/Manual llation by Soft	es Ce	2,900.00
1	30818-06H AOS/VS DG/SQL ()	For Infrastruct	ure)	20 500 00
6	30289 IBM PC D/210 End 30718-10N Performance Mon:	ulator	The state of the s	20,500.00 900.00 1,800.00
	Per Specifications in Bio Subject to Counc Ordinance # Date			
	Subject to assignment by for the purpose of inclute to herein in the City Eq.	lding the items	referred	
OLLOW OF CORRE-	UNLESS OTHERWISE INDI- CATED THE PRICES SHOWN INCLUDE ALL CHARGES FOR DELIVERY, PACKING, ETC., NECESSARY TO COM- PLETE DELIVERY TO DES- TINATION SPECIFIED.  NOTE  NOTE  NOTE  NOTE  NOTE  NOTE  NOTE  NOTE  ORDER	THE CONTRACTOR OR VENDOR, BY ACCEPTING THIS ORDER, AGREES TO THE GENERAL CONDITIONS AND TERMS OF AGREEMENT ON THE BACK OF THIS ORDER.	UNLESS OTHERWISE INDICATED, THE PRICES SHOWN DO NOT IN- CLUDE TAXES OF ANY KIND.  EXEMPTION BLANKS WILL BE FURNISHED WHEN NECESSARY.  INDIANA SALES TAX EXEMPTION CERTIFICATE NUMBER 034508-03	IF THIS ORDER DOES NOT AGREE WITH YOUR QUO- TATION KINDLY RETURN IT WITH AN EXPLANA- TION.
EREBY CERTIFY THAT ENCUMBERED BALANC RE HAS BEEN DULY AU TY CONTROLLER	THE COST OF THE ABOVE PURCHASE IS FULLY COVERED B ES IN THE ABOVE FUNDS AND THAT THE EXPENDITURE THERE THORIZED AND APPROPRIATED.	I HEREBY CERTIFY UPON MY (IZED BY A PROPERLY EXECU	DWN PERSONAL KNOWLEDGE THATED AND APPROVED REQUISITION	T THIS ORDER IS AUTHOR- ON FILE IN THIS OFFICE.
PER		PER		

#### CITY OF FORT WAYNE FORM DP25 5-68

DEPARTMENT OF PURCHASES Number One Main St., Ft. Wayne, Ind. 46802 INVITATION

Contactions, subject to the conditions on the reverse hereof, are requested on the following list of department at a second or services, for the department as sendoned, with delivery to destination

as above below. Quotations shall include all charges for delivery, packing, etc. Address your rapty as "Mail all rolles and Carol J. Offerle

DEPARTMENT OF PURCHASES

Room 940, Number One Main St., Ft. Wayne, Ind.

REQUIRED FOR DELIVERY TO:

Department or Division

Data Processing Department

Fund Appropriation No. .

Date \_ March 14. 1985

Ref. No. \_\_\_\_

Page 1 of 19

743

Date wanted 4/4/85 at 4:00pm

Fourth Floor City County Building Ft. Wayne IN 46802

RETURN ORIGINAL TO THE CITY - RETAIN DUPLICATE COPY FOR YOUR FILE

Time of Bids

Thursday, April 4, 1985

4:00 P.M.

TAINS: THE CITY IS RECORD FEDERAL PROSES AND ENDIANA STATE SALES TAR THE CITY'S INDIANA SALES TAY EXEMPTION CERTIFICATE NUMBER IS NO. 1808. PRICES SHOULD NOT INCLUDE TRIES TAYED. See "Exemptions to Editor" No. 10 or former bered for deep TAX EXEMPT (Unless otherwise indicated)

connectty .	Unit	Manerials, Supplies, Equipment or Services	Usert Price	Total
		Hardware requirements to support Infrastructure Management and Office Automation System as per the attached specifications.		
- 07	AF	FIRMATIVE ACTION: ON FILE:ATTACHED:		

	1						1	
14 P-1	NO	YES			1			
id Bond required		□xx 5%	Performance	e Pond	МО	·	100%	=
erms %		discount if paid with		e side heren	, 🗀	. 174 —	100/6	_
10	CISA	discount if paid with	nin dave from deline		-			

\_% cash discount if paid within\_ days from delivery and acceptance of goods or completion of services.

#### PROPOSAL OR BID

In compilance with the above invitation for bids and subject to all conditions thereof, the understand offers and agrees, if this bid be accepted within a reasonable mes opposite each stem.

There we opposite each stem,

Delivery of any or all of the items or completion of services indicated shall be made within Odays from receipt of order EMPORTANT E As delivery may be a deciding factor in the award of an order, it is important that bidders farmish the information requested above. Man Zarel

Co	mpuSy	stems,	Inc				
		20 1/10			Pres	ident	•
Address	7720	Bluff	ton	Road			•
C+	Fort	Wayne.	IN	46809	)	4/15/85	

## PROPOSAL AND BID SURETY FORM

PROPOSAL:

In compliance with the foregoing invitation to bid and subject to all of the conditions thereof the undersigned offers and agrees, if this bid is accepted within a reasonable time from date of opening of bids, to enter into a contract in ac-

The Legal Advertisement, General Conditions, Instructions to Bidders, Information for Bidders, Special Conditions, Specifications, and Plans applying form a part of this proposal.

This proposal is supported by the following bid surety as required by law and signatures affixed thereto constitute both a proposal and bid surety executed by the bidder.

BID SURETY (REQUIRED BY LAW): BOND FORM: (USE THIS BOND FORM-NO ALTERNATE FORM OF BOND WILL BE CONSIDERED). KNOW ALL MEN BY THESE PRESENTS, THAT we, the undersigned, are held and firmly bound unto the City of Fort Wayne, State of Indiana, in the sum of 5% of attached bid to be paid on demand to said City of Fort Wayne, its successors and assigns for which payment well and truly to be made, we hereby bind ourselves, our heirs, successors, executors, and administrators, jointly and severally firmly by The condition of this obligation is such that if the bid or proposal attached hereto and made a part hereof and submitted to the within named division of the City of Fort Wayne or its duly constituted agent, is accepted and a contract awarded to the undersigned bidder and the said bidder shall within ten (10) days after notice of said award enter into a contract with the said City of Fort Wayne, State of Indiana, and shall secure the performance of the same by bond or otherwise. as may be required to the satisfaction of the City of Fort Wayne, Indiana then this obligation shall be null and void: If a corporate surety is furnished, it is necessary BID CHECK (ALTERNATE FORM OF SU

	Dollars
herewith submitted and days	Bank
herewith submitted and deposited in lieu of bond under the sante: If Check is used as Bid Surety—Attach here.	me terms and conditions as set forth in about
odrety—Actaen here.	to the in the above bond.
GNATURES (BID SURETY AND PROPOSAL):	/ COMPILANCE
(DID GORETT AND PROPOSAL):	COMPUSYSTEMS, INC
tnessed by:	Name of Bidder—Print or Type
	By July 11 4 took
10 Min 8 BIDDER	Tyce McIntosh
ER PARTIES INTERPRETARE AND	Title President
14-Signatures under General Conditions, etc.)	7720 Bluffton Road
List all Parties if Damenanti	and tramper
and a second	Fort Wayne, IN. 46809
	City, State and Zip Code
	Date April 17, 1985
	SEE COVER LETTER
1	
***************************************	INDIANA INSURANCE COMPANY, IN
nessed by:	Name of Company - Print or Type
Mary Low Brimser SURETY	Tean
SURETY SURETY	i in the Co Tead?
JURETY	13/a
	Address Indianapolis Indiana
	By Man of Driver of Office
	John Brimmer on this Line

S P 8

Page 18 of 19

Reference No. 743

#### NON-COLLUSION AFFIDAVIT

STATE OF INDIANA,	}ss:
Allen coun	TY SS:

The undersigned bidder or agent, being duly sworn on oath, says that he has not, nor has any other member, representative, or agent of the firm, company, corporation or partnership represented by him, entered into any combination, collusion or agreement with any person relative to the price to be bid by anyone at such letting, nor to prevent any person from bidding nor to induce anyone to refrain from bidding, and that this bid is made without reference to any other bid and without any agreement, understanding or combination with any other person in reference to such bidding.

He further says that no person or persons, firms, or corporation has, have or will receive directly or indirectly, any rebate, fee, gift, commission or thing of value on account of such sale or contract.

of Mary 1997 and 1997	timing of value on account of such sale or contract.
	Tyce McIntosh
	Syn ME Stol
	Bidder or Agent
	ForCOMDUSVStems. Inc.
Subscribed and sworn to before me this	17 day of April 1985
fy Commission Expires 10-3-86	
	Laure Cyon
	Louise C. Lohr
	Res. of Allen County

### -Compusystems, Inc.-

Application Software Specialists • Consultants • Service Bureau Services

17 April 1985

The City of Fort Wayne Department of Purchases Room 940 One Main Street Fort Wayne, IN 46802

Attention: Ms Carol J. Offerle, Director

Dear Ms. Offerle:

CompuSystems, Inc. is pleased to submit the attached bid in response to your Request for Bid, reference no. 743, for a data processing system to support both Infrastructure Management and Office Automation.

We have reviewed the specifications in detail and are confident that the proposed system offers a comprehensive and compliant solution to your requirements.

Benefits of the proposed system include:

- COMPATIBILITY the proposed applications and system software is fully compatible throughout the entire Data General 32-bit product line.
- Data General is dedicated to supporting and enhancing CEO, and has invested \$21 million per year in the CEO product line.
- A Data General CEO system has been installed that successfully utilizes the data communications features of a Rolm telephone system.
- We have been in contact with Camp, Dresser & McKee and can assure that the proposed system will support their software.

## Compusystems, Inc.

 As a locally owned and operated organization, we have the capability to provide a timely response to your continuing requirements.

Thank you for the opportunity to submit the attached bid. If there are questions or additional data is required, please contact me at your convenience.

Very truly yours,

Joju MESta

Tyce McIntosh, President CompuSystems, Inc.

TMc/jne enclosures

#### SOFTWARE SCHEDULE

 QTY	MODEL NO	DESCRIPTION	 PURCHASE PRICE
1	3900-61H	AOS/VS OPERATING SYSTEM LEVEL 2 SUPPORT - ONE YEAR - SOFTWARE SUBCRIPTION SERVICE - SOFTWARE TROUBLE REPORTING - REMOTE ACCESS MONITORING - TELEPHONE CONSULTING SERVICES - TELEPHONE SOFTWARE SUPPORT - DIAGNOSTIC SUPPORT SERVICE - MICROCODE SUBSCRIPTION SERVICE - REPRODUCTION SOFTWARE/MANUALS	\$ 4,200.00
1	30048-00	CEO PACKAGE  - WORD PROCESSING  - SPELLING  - INFORMATION MANAGEMENT  - INFOS 11  - PRESENT  - TRENDVIEW  - SORT MERGE  - SOFTWARE SUBSCRIPTION SERVICE  - SOFTWARE TROUBLE REPORTING  - ON-SITE INSTALLATION BY SOFTWARE ENGINEERS  - 90 DAY COMPREHENSIVE SUPPORT  - ONE TRAINING CREDIT	\$ 25,570.00
1	30901-00	CEO DECISION BASE  - SPREADSHEET AND PERSONAL DATA BASE FUNCTIONALITY  - SOFTWARE SUBSCRIPTION SERVICE  - SOFTWARE TROUBLE REPORTING  - ON-SITE INSTALLATION BY SOFTWARE ENGINEERS  - 90 DAY COMPREHENSIVE SUPPORT  - ONE TRAINING CREDIT	\$ 10,000.00

Vace

### HARDWARE EQUIPMENT SCHEDULE

QTY	MODEL NO	DESCRIPTION	 PURCHASE PRICE	MONTHLY MAINT
CENTRAL	PROCESSING U	JNIT:		
1	E8780-B	ECLIPSE MV/10000	\$ 159,400.00	\$ 730.00
		- 32-BIT PROCESSOR - METER-HIGH CABINET - 2.0MB MEMORY - AOS/VS RIGHT-TO-USE		
3	8765	2.0MB MEMORY MODULE (BRINGING TOTAL TO 8MB)	\$ 27,000.00	\$ 330.00
(i) 1	E8749	MV/10000 BATTERY BACKUP UNIT	\$ 9,600.00	\$ 96.00
MAGNETIC	DEVICES:			
2	E6236	354MB DISC SUBSYSTEM	\$ 50,000.00	\$ 300.00
1	E6300	A600/6250 BPI MAGNETIC TAPE DRIVE	\$ 32,690.00	\$ 275.00
1	E6194-MA	DASHER TP2 CONSOLE	\$ 4,250.00	\$ 44.00
1	E1344A	SINGLE BAY CABINET 60"	\$ 2,550.00	N/C
1	E1605A	METER HIGH CABINET	\$ 3,000.00	N/C

#### HARDWARE EQUIPMENT SCHEDULE

QTY	MODEL No.	DESCRIPTION		PURCHASE PRICE	MONTHLY MAINT		
MULTIPL	EXORS AND TE	RMINALS:					
2	4369	IAC/8 MODEM CONTROL	\$	10,000.00	\$	76.00	
2	4370	IAC/16 MULTIPLEXOR	\$	11,000.00	\$	86.00	
2	4371-D	1-TCB/8 RACK/WALL MOUNT	\$	1,800.00		N/C	
2	4372-D	1-TCB/16 RACK/WALL MOUNT	\$	2,050.00		N/C	
* (24	E6167-XA	D/460 MONITOR W/O CABLE	\$ .	19850.00	\$	456.00 190.00	
PRINTING	G DEVICES:					, , ,	
1	E4327-A	300LPM BAND PRINTER SUBSYSTEM	\$	8,900.00	\$	130.00	
A 7	4535-M	OA 50/200CPS MULTI-FUNCTION PRINTER	\$	44,660.00 28420.00	\$	759.00)	
6	4537	3 BIN 8.5" AUTO SHEET	\$	9,000.00	\$	108.00	
		HARDWARE SUBTOTAL	\$	423,540.00	\$ 3	3,390.00	

<sup>\*</sup> THE ABOVE AMOUNT WILL BE DISCOUNTED 10% FOR THE FIRST YEAR BRINGING THE MONTHLY MAINTENANCE TOTAL TO \$ 3,051.00.

THE ABOVE PRICE DOES NOT INCLUDE DELIVERY AND INSURANCE. THE ESTIMATED DELIVERY CHARGES ARE \$ 1,100.00.

A springer

#### SOFTWARE SCHEDULE

 QTY	MODEL NO	DISCRIPTION	AND DOOR MAN WANT	PURCHASE PRICE
1	30180-07H	FORTRAN 77 (FOR INFRASTRUCTURE) - SOFTWARE SUBCRIPTION SERVICE - SOFTWARE TROUBLE REPORTING - REMOTE ACCESS MONITORING - TELEPHONE CONSULTING SERVICES - TELEPHONE SOFTWARE SUPPORT - DIAGNOSTIC SUPPORT SERVICE - MICROCODE SUBSCRIPTION SERVICE - REPRODUCTION SOFTWARE/MANUALS - ON-SITE INSTALLATION BY SOFTWARE ENGINEERS - ONE TRAINING CREDIT	\$	2,900.00
1	30818-06H	AOS/VS DG/SQL (FOR INFRASTRUCTURE)	\$	20,500.00
6	30289	IBM PC D/210 EMULATOR	\$	900.00
1	30718-10N	PERFORMANCE MONITOR	\$	1,800.00
		SYSTEM SOFTWARE SUBTOTAL	\$	65,870.00

Vace

#### OFFICE AUTOMATION SYSTEM

FEATURES	YES	NO
- Standard Dictionary	х	
- Site Dictionary	Х	
- Global Search/Replace	Х	
- Cut and Paste Text	X	
- Merge/List Processing	X	
- Insert/Delete Capability	X	
- Find/Replace	X	
- Text Attributes Capability	Х	
- Document-Combine Feature	X	
- Menu By-Pass Interrupt	Х	
- On-Line Dual-Level Help Facility	Х	
- Footnotes Capability	Х	
- Proportional Spacing	X	
- Windowing	X	
DOCUMENT TRANSFER ABILITIES:		
- Memos	х	
- Files and Data	Х	
- Graphics	X	
- User In-Box, Secured	Х	
MAILING TECHNIQUES SHOULD INCLUDE:		
- General Mail	Х	
- Certified w/Acknowledgement	X	
- Confidential	- X,	
( '- Urgent w/Notify	X	
- User-Defined Mail List Within Applications	Х	

FEATURES	YES	NO
LOCAL AREA NETWORK:		
- IEEE802	X	
- Asynchronous	X	
- BiSynchronous	X	
- Synchronous	Х	
INTERFACES:		
- IBM/PC	Х	
- PBX - Rolm	X	
EXCHANGES:		
- Wang	X	
- Telex	X	
- Federal Document Exchange	Х	
- Must support a minimum of 150 users	X	
<ul> <li>Must support integration of graphics with office automation</li> </ul>	X	
- Must support multiple types of databases	X	
- Fully integrate with IBM PCs	X	
- Integrated query function	X	
ADDITIONAL FEATURES PROVIDED BUT NOT SPECIFIED IN REQUEST FOR PROPOSAL:		
- Drawing Board	Х	
- Word View	X	
- Graphics/Text within one document	~ X	
- Voice	X	
- Interface to portable computers	X	

OPTIONAL SOFTWARE

THE FOLLOWING IS A LIST OF ADDITIONAL, OPTIONAL SOFTWARE AVAILABLE IN THE DATA GENERAL COMPREHENSIVE ELECTRONIC OFFICE (CEO) SYSTEM, THAT ARE NOT LISTED AS A REQUIRMENT IN THE REQUEST FOR BID:

- MODEL 31022-08 - MODEL 31021-08 - MODEL 31017-85 - MODEL 3938	CEO DRAWING BOARD CEO WORD VIEW CEO CONNECTION AOS/VS SWAT	\$ 5,100.00 \$ 2,600.00 \$ 395.00
	- SOURCE LEVEL DEBUGGER FOR FORTRAN 77, COBOL AND BASIC	\$ 2,400 00

#### INFRASTRUCTURE MANAGEMENT SYSTEM

HARDWARE SELECTED MUST BE CAPABLE OF RUNNING THE INFRASTRUCTURE MANAGEMENT SYSTEM BEING DEVELOPED FOR THE CITY OF FORT WAYNE BY THEIR CONSULTANTS, CAMP, DRESSER & MCKEE.

SOLUTION: OUR STAFF CONTACTED YOUR CONSULTANTS, CAMP, DRESSER & MCKEE, AND THEIR SOFTWARE OF INFRASTRUCTURE WILL RUN ON PROPOSED HARDWARE.

HARDWARE SUPPORT

TECHNICAL SUPPORT RELATIVE TO THE PROPOSED HARDWARE IS AVAILABLE LOCALLY THROUGH THE DATA GENERAL SYSTEMS SERVICE DEPARTMENT. A RESPONSE TIME OF FOUR HOURS OR LESS, AROUND THE CLOCK, CAN BE GUARANTEED IN WRITING UNDER AN AVAILABLE, STANDARD SERVICE AGREEMENT. OTHER LEVELS OF SERVICE AND SUPPORT ARE AVAILABLE. DETAILS AND A COPY OF THE APPLICABLE AGREEMENT FORMS FOLLOW THIS SECTION.

USER LIST

#### CEO USER:

E F HUTTON, NEW YORK BENEFICIAL FINANCE, NEW YORK U S FORESTRY SERVICE, WASHINGTON, DC MARRIOTT HOTEL WESTINGHOUSE, PITTSBURG, PA CHRISTIAN BROTHERS COLLEGE, NASHVILLE, TN TEXACO OF HOUSTON, HOUSTON, TX DEPARTMENT OF REVENUE, MADISON, WI ST. LOUIS POLICE DEPARTMENT CITY OF RICHMOND, RICHMOND, VA AAA, BIRMINGHAM, MI AANGSTROM PRECISION, BIRMINGHAM, MI AMERICAN ELECTRIC POWER (AEP), COLUMBUS, OH DETROIT EDISON, BIRMINGHAM, MI FX-COUGHLIN, BIRMINGHAM, MI INSUR-VEST, BIRMINGHAM, MI ON-LINE COMPUTER LIBRARY CONTROL (OCLC) LIVERNOS ENGINEERING SCOTTSFETZER, CLEVELAND, OH WORLD COMPUTER, BIRMINGHAM, MI ANALYST INTERNATIONAL, MINNEAPOLIS, MN CC SYSTEMS, MINN., MN CDC BUSINESS ADVISORS CDC ENGINEER SERVICES CDC ROSEVILLE CDC TREASURER FERREL COMPANY CITY OF MINNEAPOLIS, MN KROH BROTHERS, KANSAS CITY MCCLURE ASHLY, KANSAS CITY NAIC, KANSAS CITY NAZARENE PUBLISHING, KANSAS CITY SECURITY OF COMMISSIONS, KANSAS CITY STATE UNIVERSITY, MINN., MN UNIVERSITY OF NEBRASKA, OMAHA, NE ART CRAFT INDUSTRIES (FORTUNE 100) CHICAGO, IL DORCHA CREDIT, CHICAGO, IL CITY OF CHICAGO, CHICAGO, IL NATIONAL CAN, CHICAGO, IL CENTEL (AGREEMENT TO MARKET DG AND CEO) ST. VINCENT HOSPITAL, INDIANAPOLIS, IN INDIANA BELL COMMUNICATIONS, INDIANAPOLIS, IN INDIANA BELL, INDIANAPOLIS, IN CRIME CONTROL, INDIANAPOLIS, IN

CITY OF FORT WAYNE (TRAFFIC) AMERICAN STEEL, FORT WAYNE, IN BELL FIBRE, MARION, IN CENTURION-LEHMAN, WHITE PIGEON, MI CLINE LUMBER, BLUFFTON, IN CONTINENTAL ACCESSORIES, INC., STURGIS, MI DANA CORPORATION, PLANT 5, RICHMOND, IN DANA CORPORATION, PLANT 6, RICHMOND, IN DANA CORPORATION, HAGERSTOWN, IN DANA CORPORATION, HASTINGS, NE DANA CORPORATION, DIVISIONAL OFFICE, RICHMOND, IN DUNBAR MANUFACTURING, BERNE, IN E-SYSTEMS, INC., HUNTINGTON, IN FORD METER BOX, WABASH, IN IMCO, INC., HUNTINGTON, IN IRMSCHER SUPPLIERS, INC., FORT WAYNE, IN KEMTUNE, INC., FORT WAYNE, IN LAGRANGE PRODUCTS, FREMONT, IN METALLURGICAL PROCESSING, FORT WAYNE, IN MOR/RYDE, INC., ELKHART, IN ORTHO-NEUROLOGICAL CONSULTANTS, COLUMBUS, OH PLYMOUTH CONGREGATIONAL CHURCH, FORT WAYNE, IN PONTIAC FOUNDRY, FORT WAYNE, IN PURITAN ICE CREAM, KENDALLVILLE, IN RISTANCE CORPORATION, MISHAWAKA, IN TURF SPECIALTIES, FORT WAYNE, IN GARY L. SHEELER, M.D., AUBURN, IN UNIVERSITY PARK MEDICAL CLINIC, FORT WAYNE, IN

TRAINING/SUPPORT

LOCAL SUPPORT RELATIVE TO THE PROPOSED OPERATING SYSTEM,
THE INTERFACE TO THE INFRASTRUCTURE, AND THE OFFICE AUTOMATION
SYSTEM WILL BE PROVIDED LOCALLY BY THE COMPUSYSTEMS STAFF,
COMPRISED OF SIXTEEN FULLY TRAINED TECHNICIANS. TWENTY-FOUR
(24) HOUR RESPONSE IS AVAILABLE. A TOLL-FREE PHONE NUMBER WILL
BE PROVIDED FOR USE IN OBTAINING SYSTEM SOFTWARE SUPPORT. IN
CONJUNCTION WITH THE LOCAL SUPPORT PROVIDED BY COMPUSYSTEMS,
COMPREHENSIVE TRAINING IN THE AREAS OF SYSTEM AND HARDWARE
OPERATIONS IS AVAILABLE FROM THE DATA GENERAL EDUCATIONAL
SERVICES DEPARTMENT. A COPY OF THE DATA GENERAL CUSTOMER EDUCATION SCHEDULE IS INCLUDED IN THIS PROPOSAL DOCUMENT.

#### CITY OF FORT WAYNE FORM DEZE 5-68

DEPARTMENT OF PURCHASES Number One Main St., Ft. Wayne, Ind. 46802

INVITATION Quotations, minject to the conditions on the reverse hereof, are requested on the following list of manufaction supplies, equipment or services, for the department as mentioned, with delivery to destination as above below. Concations that include all charges for delivery, packing, etc. Address your repty as indicated below.

"Mail all robes and Carol J. Offerle DEPARTMENT OF PURCHASES Room 940, Number One Main St., Ft. Wayne, ind. 46802

REQUIRED FOR DELIVERY TO: Department

or Division

Data Processing Department

Appropriation No. \_ Fourth Floor City County Building Ft. Wayne IN 46802 RETURN ORIGINAL TO THE CITY - RETAIN DUPLICATE COPY FOR YOUR FILE

Thursday, April 4, 1985 Time of Bids 4:00 P.M.

TAXES: THE CITY IS REPORT FROM FEDERAL RIGISZ AND INDIANA STATE SALES TAX. THE CITY'S INDIANA SALES TAX EXTRIPTION CERTIFICATE NUMBER IS NO. 1850. PRICES SHOULD NOT INCLUDE TRESS TAXES. In Transmissions to Billion" No. 18 to break hereof for details. TAX EXEMPT (Unless otherwise indicated)

	Materials, Supplies, Equipment of Services	Unit Price	Total America
	Hardware requirements to support Infrastructure Management and Office Automation System as per the attached specifications.		
	For IMS/AOS: IBM 4361 (See Attached) \$253,415.00 *		
	For AOS: IBM S/36 (See Attached) \$ 32,820.00 *		
	* Software/Terminals listed separately		
T. A	FFIRMATIVE ACTION: ON FILE: X ATTACHED:		

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3id Bond required	NO	TES CVV	5%			NO	A. 100		
Terms %	ana'n di	inte	See instruct	Performance	Bond ide beren		- Bx	100%	
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PROPOSAL OR BID

In compilance with the above invitation for hids and subject to all conditions thereof, the understand offers and agrees, if this hid be accepted within a reasonable tree composite each time.

Delivery of any or all of the items or completion of services indicated shall be made within days from receipt of order EMPORTANT & As delivery may be a deciding factor in the award of an order, it is important that hidden

	Alex	Zares				
·	IBM.	Corpor	ation			
B	3.30	Gonzago	Man of Ca wski	mpany	Branch	Manager
,	Address 282	7 Rupp				
	For	t Wayn	е		**************	3/28/85

Page 1 of 19

Date wanted 4/4/85 at 4:00pm.

Ref. No. \_\_\_\_\_743

Fund

Data \_\_March 14, 1985



## POWER OF ATTORNEY

and to bind the Corporation thereby as fully and to the same extent if such bonds and undertakings were signed by the President, sealed and duly attested by the Secretary of the Corporation, hereby ratifying and confirming all that the said Attorney(s)-in-Fact may do in the Indiana Insurance Company, which reads as follows:  "ARTICLE VI (10). The President or any Vice President acting with the Secretary or any Assistant Secretary, shall have the power and authority to appoint Attorney-in-Fact for purposes only of executing and attesting bonds and undertakings and other writings to him. Attorney-in-Fact when so appointed shall have power and authority to appoint Attorney-in-Fact for purposes only of executing and attesting bonds and undertakings and other writings to him. Attorney-in-Fact when so appointed shall have power and authority issued to them, to execute and deliver on behalf of the corporation and to attach the Secretary of the President or any Attorney-in-Fact shall be as binding upon the corporation as if signed by an executive officer and sealed and attested by the Secretary or any Assistant Secretary."  IN WITNINGS INTEREST. (I. Institute of the Institute of the Secretary of the Secretary of the Secretary.
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and all bonds and undertakings, and other writings obligatory to the nature thereof, and such instrument executed by any such or any Assistant Secretary."
IN WITNESS WHEDEOF ( )
William William Insurance Company has caused these presents to be signed.
IN WITNESS WHEREOF, Indiana Insurance Company has caused these presents to be signed by its Vice President, attested by its Secretary or Assistant Secretary, and its corporate seal to be hereto affixed this 27th day of March 19 85
1 INDIANA INSURANCE COMPANY
ATTEST: I lema L B. I.I.
By Vice President  Vice President
STATE OF INDIANA ) COUNTY OF MARION) ss.
On this 27th day of March, A.D. 19 85, before me personally came R. T. Woolman to me known, who being by me duly sworn, did depose and say, that he resides in the City of Indianapolis, Indiana; that he is Vice-President poration; that the seal affixed to the said instrument in such corporate seal; that it was so affixed by order of the Board of Directors of said Corporation, and that he size all.
Corporation; and that he signed his name thereto by like order. And said R. T. Woolman
further said that he is acquainted with Gleppa I Pohb
and knows him to be the XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
July 12, 1987 Kathan 11 All A
My Commission Expires  Notary Public
Vathloop V All
STATE OF INDIANA ) COUNTY OF MARION) SS.
I, Glenna L. Robb
certify that the above and foregoing is a true and correct copy of a Power of Attorney, executed by said Indiana Insurance Company, which is still in full force and effect.
In witness whereof, I have hereunto set my hand and affixed the seal of said Corporation, at the City of Indianapolis, this
day of April 17, A.D., 19 85
SSURA O
(Seal)

	5219		5291		5224		5362	UNIT
	DO2 PRINTER 60 CPS 2956 CHARACTER SET U.S. EBCDIC 7875 FRONT EXIT SHEET ENVEL FD 9055 CUSTOMER SUPPLIED CABLES 9565 ATTACHED TO SYSTEM/36		200 DISPLAY STATION		002 PRINTER TABLE TOP 240/175LPM 9501 95 CHARACTER EBCDIC 9567 SYSTEM/36 SYSTEM PRINTER		A04 PROCESSOR: 128K 120 MB 2901 ADDITIONAL STORAGE - 128K 2962 STANDARD LINE CORD (10 FT.) 2905 WORK STATION EXPANSION	UNIT MDL/FC DESCRIPTION
							<u></u>	QTY
  -  *	N N N N N N N N N N N N N N N N N N N	*	N/0	*	N/O	2107.00*	1820.00 159.00 NC 128.00	MONTHLY
8185.00*	5835.00P NC 2350.00P NC NC	1850.00*	1850.00P	7280.00*	7280.00P NC NC	32820.00*	28000.00 2820.00 NC 2000.00	PURCHASE
89.00*	MONTHLY 64.00 00 25.00 NC NC	105.00*	ANNUAL 105.00	62.00*	MONTHLY 62.00 NC NC	105.00*	MONTHLY 105.00 NC NC NC	MAINT.
								MONTHLY LEASE CHARGES (MLC)

## CITY OF FORT WAYNE SYSTEM/36 5362 CONFIGURATION

PAGE 2

MONTHLY LEASE CHARGES (MLC)

HARDWA THE H EXCLUD SINGLE THE CH THE CH	PURCHA PURCHA PURCHA	MONTHL	ANNUAL		UNIT MDL/FC
HARDWARE MINIMUM MONTHLY CHARGE: THE HARDWARE MINIMUM MONTHLY CHARGE EXCLUDES PURCHASE ONLY MACHINES, AND SINGLE USE CHARGES FOR MACHINES. THE CHARGE IS CALCULATED BY TOTALING THE LOWER OF EITHER THE MRC OR THE MINIMUM MLC FOR EACH MACHINE	PURCHASE ONLY TOTAL PURCHASE ONLY ANNUAL MAINTENANCE CHARGES - PURCHASE ONLY MONTHLY MAINTENANCE CHARGES -	MONTHLY MAINTENANCE CHARGE TOTAL -	ANNUAL MAINTENANCE CHARGE TOTAL -	HARDWARE TOTALS	DESCRIPTION QTY
2107.00*	17315.00* 105.00* 151.00*	256.00*	105.00*	2107.00*	RENTAL
				50135.00*	PURCHASE
					MAINT.

SOFTWARE TOTALS	5727-QU1 QUERY/36 4731 5727-QU1 OTC 9049 DISKETTE 2D 1024 BYTES/SECTOR	5727-WP3 PERSONAL SERVICES 4729 5727-WP3 OTC 9049 DISKETTE 2D 1024 BYTES/SECTOR	5727-WP2 DISPLAYWRITE/36 LANG DICT. 4763 5727-WP2 OTC 6038 ENGLISH (US, UK, LEGAL/MED) 9001 2D DISKETTE	5727-WP1 DISPLAYWRITE/36 4727 5727-WP1 OTC 9049 DISKETTE 2D 1024 BYTES/SECTOR	5727-SS1 SYSTEM SUPPORT LICENSED PROG 4500 5727-SS1 BASIC LICENSE OTC 9069 5727-SS1 5362 DIST MED DSKT 2D	PROGRAM FEAT DESCRIPTION	APR 15, 1985 SYSTEM/36 5362 CONFIGURATION
					ف فد دد	QTY	CITY OF FORT WAYNE /36 5362 CONFIGURA
10070.00*	950.00	3000.00	120.00	2000.00	4000.00	ONE TIME CHARGE	WAYNE FIGURATION
! ! *						INITIAL	
8 t 3:						MONTHLY CHARGE	PAGE 4
i !						MLPSC	4

MMLPSC

The prices reflect all announced price changes that take effect within three months from the date of this report.

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IBM 4300 PROCESSOR MODEL 4361

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8809	3370	3262	3205	4361	TINU
A01 MAGNETIC TAPE 9063 CLASSIC BLUE 9607 4331 ATTACHED 9902 POWER 208V 60P	A02 DIRECT ACCESS ST 9063 CLASSIC BLUE 9903 POWER 208V 60HZ	011 LINE PRINTER 9063 CLASSIC BLUE 9080 CABLING BELOP 9520 48-CHARACTER 9951 2.0MM(.0791N	100 COLOR D: 9514 9 FOOT F	M04 PROCESSOR - 3201 DASD ADAPTER 3202 DASD ADAPTER 9063 CLASSIC BLUE 9325 3205 ATTACHM 9511 RSF/ROCF EXT 9902 POWER 208V 6	UNIT MDL/FC
MAGNETIC TAPE UNIT CLASSIC BLUE 4331 ATTACHED POWER 208V 60HZ 1 PHASE	CCESS STORAGE DEVICE BLUE 8V 60HZ 3 PHASE	LINE PRINTER CLASSIC BLUE CABLING BELOW FLOOR 48-CHARACTER SET EBCDIC 2.0MM(.0791N.) CHAR.SET HEIG	COLOR DISPLAY CONSOLE 9 FOOT POWER CORD	PROCESSOR - 8M DASD ADAPTER 1 DASD ADAPTER 2 CLASSIC BLUE 3205 ATTACHMENT RSF/ROCF EXT, MODEM 1200 BPS POWER 208V 60HZ 1 PHASE	DESCRIPTION
					QTY
774.00 NC NC NC NC	2030.00 NC NC	499.00 NC NC NC NC NC	N/0 NC	12653.00 156.00 156.00 NC NC NC	MONTHLY
11960.00 NC NC NC NC 11960.00*	35480.00 NC NC NC	12620.00 NC NC NC NC NC	190460.00* 2895.00P NC 2895.00*	185000.00 2730.00 2730.00 NC NC NC NC NC	PURCHASE
MONTHLY 88.00 NC NC NC	MONTHLY 134.00 NC NC NC	MONTHLY 148.00 NC NC NC NC NC	ANNUAL 270.00 NC 270.00*	MONTHLY 646.00 5.00 5.00 NC NC NC	MAINT.
MLC2 493.00 NC NC NC		MLC2 N/O NC NC NC			MONTHLY LEASE CHARGES (MLC)

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# IBM 4300 PROCESSOR MODEL 4361

PAGE 2

MONTHLY LEASE CHARGE 2 YEARS TOTAL HARDWARE MINIMUM MONTHLY CHARGE: THE HARDWARE MINIMUM MONTHLY CHARGE EXCLUDES PURCHASE ONLY MACHINES, AND SINGLE USE CHARGES FOR MACHINES. THE CHARGE IS CALCULATED BY TOTALING THE LOWER OF EITHER THE MRC OR THE MINIMUM MLC FOR EACH MACHINE	ANNUAL MAINTENANCE CHARGE TOTAL - MONTHLY MAINTENANCE CHARGE TOTAL - PURCHASE ONLY TOTAL PURCHASE ONLY ANNUAL MAINTENANCE CHARGES -	UNIT MDL/FC DESCRIPTION Q:
		QTY
493.00* 15987.00*	270.00* 1026.00* 2895.00* 270.00*	MONTHLY RENTAL 16268.00*
		PURCHASE 253415.00*
		MAINT.
		MONTHLY LEASE CHARGES (MLC)

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5748-XX9 DOCUMEN 2105 INITIAL 2107 ILC (FC 4541 MLC (FC 9415 SIPO RE	5748-F03 VS FORT 2104 INITIAL 4502 MONTHLY 9415 SIPO RE	5740-CB1 0S/VS 0 4508 MONTHLY 7240 SIPO LO 9413 SIPO RE	5668-996 IBM BASIC 2126 INITIAL L 4515 MONTHLY L 5066 BASIC 9/1 9001 ASSET REG	5664-176 PROFS 2103 INITIA 2104 MONTHL' 4504 MONTHL' 5073 BASIC 9	5664-167 VM/SP 4500 MONTHL' 7006 SIPO L 9405 SIPO R	4361 G	LIST OF THE VM INDE	PROGRAM FEAT	APR 17, 1985
DOCUMENT COMPOSITION FACILITY INITIAL LICENSE CHARGE ILC (FOREGROUND ENV FEAT) MLC (FOREGROUND ENV FEAT) SIPO REG 9/1600 MT R3.	VS FORTRAN COMPILER AND LIB INITIAL LICENSE CHARGE MONTHLY LICENSE CHARGE SIPO REG 9/1600 MT R	OS/VS COBOL COMPILER+LIBRARY MONTHLY LICENSE CHARGE SIPO LOGIC MANUALS SIPO REG 9/1600 MT R2	ICENSE CHARGE ICENSE CHARGE 600 MT ISTRATION	PROFS INITIAL LICENSE CHARGE MONTHLY LICENSE CHARGE BASIC 9/1600 MT ASSET REGISTRATION 9/1600	VM/SP MONTHLY LICENSE CHARGE SIPO LOGIC MANUALS SIPO REG 9/1600 MT	4361 GRP3 LPSC CAT A CL 1	THE VM INDEPENDENT PROGRAMS	DESCRIPTION	COI
.ITY R3.0	B R3.0	RY R2.4	R1.0	R2.1	R3.1	SCP			{F I GUR
								ONE TIME CHARGE	CONFIGURATION REPORT
972.00 180.00	747.00		1125.00	4280.00				CHARGE	
324.00	249.00	365.00	375.00	749.00	443.00			MONTHLY	PAGE
	17.00	15.00	38.00		69.00	335.00		MLPSC	1
	27.00	24.00	61.00		110.00	536.00		MMLPSC	

LIST OF THE VM SYSTEM IPO

			\$ 1
TOTAL VM PROGRAMS	5750-AAK V 5956 B 5956 B 6015 D 6031 V 9006 A	PROGRAM FEAT	APR 17, 1985
AMS	5750-AAK VM/SP SYSTEM IPO/E 5956 BASIC 9/1600 MT (3310/70) R3.1 6015 OS COBOL COMP+LIB R2.4 9/1600 6017 DCF+FRGND ENV FEAT R3.0 9/1600 6031 VS FORTRAN R3.0 9/1600 9006 ASSET REGISTRATION (9/1600 MT)	DESCRIPTION	CONFIGURATION REPORT
; ;		ONE TIME CHARGE	ON REPORT
7304.00*		INITIAL	
2565.00*		MONTHLY CHARGE	PAGE
474.00*		MLPSC	N

MMLPSC

758.00\*

April 15, 1985

Ms. Carol J. Offerle Department of Purchases City of Fort Wayne 1 Main Street Fort Wayne, IN 46802

Dear Carol:

Thank you for giving us the opportunity to respond to your bid request for hardware to support your IMS and AOS requirements.

We are pleased to respond as follows:

- IBM 4361 for your IMS System and AOS System
- An Alternate Bid of the IBM System/36 for your AOS System

The IBM 4361 offers the following advantages:

- 1. The 4361 can replace your existing IBM "RJE" equipment, and reduce current costs by over \$30,000 per year. This lowers the 4361 cost by at least \$100,000 if the IMS System exists for only 3 years. If the IMS system exists for 5 years, your savings amount to over \$150,000.
- 2. All of your currently installed terminals (CRT's) and IBM P/C's can be used with the 4361.
- 3. Your present Data Processing Staff will not require retraining to program the 4361. This system is comparable to the Allen County 4381 system currently being used by the City.
- 4. The IBM 4361 can be used for other city functions planned for computerization, which of necessity warrant the use of a city computer, i.e., CAD.
- 5. The IBM 4361 carries a <u>one</u> year service warranty, and has a very low maintenance cost.

The IBM System/36 offers the following advantages:

1. Very low Purchase and Maintenance costs.

Ms. Carol J. Offerle Page Two April 15, 1985

2. Ideal for Departmental use. Our recommendation, using the S/36 for AOS, is to provide each department with their own S/36 and the appropriate number of CRT's. The S/36 can routinely communicate with other S/36's as required. This approach will allow you to implement your AOS System on a "phased" approach acquiring only as much equipment as is need at the time. Each department can progress at their own pace, and at their own expense. The S/36 can routinely communicate with the IBM 4361 IMS System as required.

Each of these systems is currently installed in the Fort Wayne area and at our local branch office. Each system can be financed by IBM for up to 60 months.

We recommend that you consider installing the 4361 with <u>less</u> than 8 "Meg" of memory to reduce costs. Our opinion is that a smaller (2 Meg) system will handle your IMS requirement satisfactorily, especially during the early stages of development. A suggestion, to validate this opinion, is to run some of these programs on the IBM 4361 located here at our Branch office to see how large a CPU is required. This exercise could also give you a comparison of the different vendor's machine capability as well. As the IMS system grows, the 4361 can easily be upgraded to accommodate this requirement. In the interim, costs will have been reduced by over \$100,000.

Thank you for giving us this opportunity. We have enjoyed an excellent relationship with the City of Fort Wayne for many years and look forward to working with you on these projects. We are hoping to meet with you to discuss our proposal in more detail.

Sincerely,

Robert E. Dillon

Advisory Marketing Representative

/prr

#### TERMS AND CONDITIONS

The terms and conditions of the current IBM contracts apply to this proposal.

The recommendations for equipment, programs and services contained in this proposal are estimates based on the data you have furnished us and on our observations. While we believe our estimates to be sound, the degree of success with which equipment, programs and services can be applied to data processing is dependent on many factors, many of which are not under IBM's control. Therefore, our estimates as to the results to be obtained must not be regarded as express or implied warranties.

Successful application, operation and management of IBM products and services are the responsibility of the user. Examples of these responsibilities are: confirming the validity of the proposed equipment and program; developing appropriate systems procedures; incorporating protective measures to safeguard the plans; preparing adequate documentation; and providing qualified personnel to obtain the desirable results. IBM's responsibilities are set forth in the various IBM agreements executed, or to be executed by both parties. In no event shall IBM have any liability for consequential damages.

This proposal shall expire three months from its date unless extended by IBM in writing.

The prices stated are for your information only and are subject to change. Applicable taxes are not shown. Lease or rental of IBM machines will be by the Agreement for Lease or Rental of IBM Machines and its supplement signed by the customer and IBM. Purchase of IBM machines will be by agreement subsequently signed by the customer and IBM. Price protection provisions are stated in the applicable IBM agreements and/or amendments.

Program Products are available only under the License Agreement for IBM Program Products signed by the Customer and IBM.

System Engineering Services are available under the Agreement for IBM Systems Engineering Services.

Education courses are offered under the terms and conditions of the IBM Student Enrollment Application.

Selection, supervision, and evaluation of third party programmers, firms and/or individuals, are the exclusive responsibility of the customer. IBM does not warrant, represent, or imply that a third party is qualified to perform the work required. The customer is responsible for the performance of the third party and there is no connection between the third party's successful or on-time performance and the customer's contractual responsibilities to IBM for equipment and for software charges.

Field Developed Program Implementation Services are offered under the terms and conditions on the Field Developed Program Implementation Service order form.

# GENERAL CONDITIONS, INSTRUCTIONS TO BIDDERS AND INFORMATION FOR BIDDERS

- 1. Special Conditions: Special conditions included in the Bid Document shall take precedence over any provisions stipulated hereunder.
- 2. Applicable Laws: The Revised statutes of the State of Indians, and all City ordinances insofar as they apply to the laws of competitive bidding contracts, and purchases, are made a part hereof.
- 3. Workmen's Compensation: Insofar Workmen's Compensation Act is concerned, the bidder or contractor agrees to furnish an official, certificate from the Industrial Board of Indiana, showing that he is in compliance with such law, whenever such certificates were required in the Bid Document.
- 4. Infringements and Indemnifications: The bidder, if awarded an order or contract, agrees to protect, defend, and were the City harmless against any demand for payment for the set of any patented material, process, article, or device that may enter into the manufacture, construction, or form a part of the work covered by either order or contract and he further agrees to indemnify and were the City harmless from suits or actions of every nature and description brought against it, for or an account of any injuries or damages received or sustained by a party or parties, by or from any of the acts of the contractor, his servants, or agents.

To this extent the bidder or contractor series to furnish adequate Public Liability and Property Damage Insurance, the amount of which will be determined by the City whenever such insurance is deemed necessary. When so required the types and amounts of insurance to be provided is forth in the Bid Document,

- 5. Pricing: Prices should be stated in units of quantity specified in the Bid Document. In case of discrepancy in computing the amount of the bid the unit prices quoted will govern.
- 6. Delivery: Quotations should include all charges for delivery, packing, crating, containers, etc. Unless otherwise stated by the bidder prices quoted will be considered as being based on delivery to the destination designated in the Bid Document and to include all delivery and packing charges.
- 7. Specifications: Unless otherwise stated by the bidder the proposal will be considered as being in strict accordance with the specifications outlined in the Bid Document.

References to a particular trade name, manufacturer's catalog or model number are made for descriptive purposes to guide the bidder in interpreting the requirements of the City. They should not be construed as excluding proposals on other types of materials, equipment and supplies. However the bidder, if awarded a contract, will be required to furnish the particular item referred to in the specifications or description unless a departure or substitution is clearly noted and described in the proposal.

- 3. Samples: Samples, when requested, must be furnished free of expense to the City and if not destroyed, will upon request be returned at the bidder's expense.
- Cash Discounts: Time in connection with cash discount offered, will be computed from date of delivery and acceptance at final destination or from date properly executed claim voucher is received, if the latter date is later than the date of delivery and acceptance.
- i0. Taxes: The City is generally exempt from Federal Excise and Indiana State Sales Tax. Quotations must be separated to show the amount to be added for taxes of any kind if applicable. Prices should not include tax. The City will pay such taxes ■■ are applicable to this purchase. Exemption forms will be furnished wherever necessary. Taxes wherever indicated and which are applicable to this purchase, will not be subject to any trade or cash discounts.
- 11. Bid Informalities and Rejection: The City reserves the right to waive informalities not inconsistent with law or to reject any or all bids.
- 12. Award: Unless otherwise specified in the Bid Document the City reserves the right to accept any item in the bid. Unless otherwise stated in the Bid Document bidders may submit proposals an any item us group of items, provided however that the unit prices are shown as requested.
- 13. Payments: Partial payments may be made upon presentation of properly executed claim voucher unless otherwise stated in the Bid Document. The final payment will be made by the City when the materials, supplies or equipment has been fully delivered and accepted or the work completed to the full satisfaction of the City.
- 14. Bidder's Signature: Each proposal form must be signed by the bidder with his usual signature. All signatures should be in full.

  Bids by partnership should include the names of the partners composing the partnership and must be signed by one or more of the partners in the following manner: "John Jones and James Smith, d.b.a., Smith-Jones Company, by John Jones, a partner".

Bids by corporations must be signed with the name of the corporation, followed by the signature and designation of the president, vice-president, or person authorized to bind it in the matter.

- 15. The successful bidder, or contractor, agrees that he will comply with Indiana Acts 1961, chapter 208, section 10, being Burns Indiana Statute 40-2316-1964 supplement requiring such bidder, contractor, or his subcontractor not to discriminate with respect to hiring, tenure, terms, conditions, or privileges of employment because of race, color religion, national origin or ancestry.
- 16. Unless otherwise specifically indicated under the individual listing in the legal advertisement or invitation to bid, all bids shall be subject to the following.
  - a) A Bid bond, deposit of cash, certified check or Bank Cashiers Check, in the amount specified, drawn on a solvent bank payable to the City of Fort Wayne or to the contracting division thereof.
  - b) The successful bidder will be required to furnish bond or Certified Check on a solvent bank, payable to the City of Fort Wayne or to the contracting division thereof, in the amount specified in the notice of bids wanted or the invitation to bid, as a guarantee for the faithful performance thereof.
- 17. Submission and Receipt of Bids:
  - a) Proposals, to receive consideration, must be received prior to the specified time of closing as designated in the invitation.
  - b) Bidders must use the Bid Document proposal form furnished by the City as none other will be accepted. Proposal forms must be returned index. Removal of any part thereof may invalidate the bid.
  - c) Bidders are requested to use the Bid Envelope if furnished by the City, or other similarly identified envelope to assure proper handling. Envelopes should be sealed when submitted with information on the face of the Bid Envelope to identify the bid, e.g., Bid Reference number and date of closing and City Agency involved.
  - d) Separate proposals must be submitted on each reference number.
  - e) Ir posals having any erasures or corrections thereon may be rejected unless explained or noted over the signature of the bidder.

19 as follows:

Data

etc.

Jo

Date

Board-Commissioner Dept. of Purchasing, et

Accepted \_\_

Rejected

MBE/WBE STATEMENT

FOR CITY OF FORT WAYNE, INDIANA

BID NO. 743 BID DATE:

Name of Firm Type of Work 1. 2. IBM's annual EEO statement is on file with the City of Fort Wayne. 3. 4. Submitted on: February 12 , 1985 By IBM Corporation (Company Name) J. D. Gonzagowski, Branch Manager (Name & Title of Person Authorized to sign) Business Address: 2827 Rupp Drive Fort Wayne, IN 46815 Phone Number: 219/481-4284

Page	18		of	19	
					,
Refer	ence	No.		743	

# NON-COLLUSION AFFIDAVIT

STATE	OF	INDIAN	VA,	100
ALLEN			ia, County	100

The undersigned bidder or agent, being duly sworn on oath, says that he has not, nor has any other member, representative, or agent of the firm, company, corporation or partnership represented by him, entered into any combination, collusion or agreement with any person relative to the price to be bid by anyone at such letting, nor to prevent any person from bidding nor to induce anyone to refrain from bidding, and that this bid is made without reference to any other bid and without any agreement, understanding or combination with any other person in reference to such bidding.

# PROPOSAL AND BID SURETY FORM

PROPOSAL:

In compliance with the foregoing invitation to bid and subject to all of the conditions thereof the undersigned offers and agrees, if this bid is accepted within a reasonable time from date of opening of bids, to enter into a contract in accordance with the prices stated herein.

The Legal Advertisement, General Conditions, Instructions to Bidders, Information for Bidders, Special Conditions, Specifications, and Plans applying form a part of this proposal.

This proposal is supported by the following bid surety so required by law and signatures affixed thereto constitute both a proposal and bid surety executed by the bidder.

BID SURETY (REQUIRED BY LAW): BOND FORM: (USE THIS BOND FORM-NO ALTERNATE FORM OF BOND WILL BE CONSIDERED). KNOW ALL MEN BY THESE PRESENTS, THAT we, the undersigned, are held and firmly bound unto the City of Fort Wayne, State of Indiana, in the sum of..... to be paid on demand to said City of Fort Wayne, its successors and assigns for which payment well and truly to be made, we hereby bind ourselves, our heirs, successors, executors, and administrators, jointly and severally firmly by these presents. The condition of this obligation is such that if the bid or proposal attached hereto and made a part hereof and submitted to the within named division of the City of Fort Wayne or its duly constituted agent, is accepted and a contract awarded to the undersigned bidder and the said bidder shall within ten (10) days after notice of said award enter into a contract with the said City of Fort Wayne, State of Indiana, and shall secure the performance of the same by bond or otherwise as may be required to the satisfaction of the City of Fort Wayne, Indiana then this obligation shall be null and void; otherwise to be in full force and effect. If a corporate surety is furnished, it is necessary BID CHECK (ALTERNATE FORM OF SURETY): that a certificate authorizing the "attorney-in-fact" Certified [ to sign the bond accompanying the same. Cashiers [ Check No. ..... in the sum of ..... is herewith submitted and deposited in lieu of bond under the same terms and conditions as set forth in the above bond. Note: If Check is used as Bid Surety-Attach here. SIGNATURES (BID SURETY AND PROPOSAL): IBM Corporation Name of Bigder-Print or Type Witnessed by: Signature of Person Authorized to Sign J. D. Gonzagowski BIDDER Branch Manager AND OTHER PARTIES INTERESTED IN THIS PROPOSAL PRINCIPAL (See 14—Signatures under General Conditions, etc.) 2827 Rupp Drive Street Name and Number List all Parties if Partnership Fort Wayne, IN 46815 City, State and Zip Code Date.... COVER LETTER Name of Company - Print or Type Witnessed by: Incorporated In the State of: SURETY 



# National Fire Insurance Company of Hartford

CNA Plaza Chicago, Illinois 60685 A Stock Company

## BID BOND

KNOW ALL MEN BY THESE PRESENTS: That we

INTERNATIONAL BUSINESS MACHINES CORPORATION 2827 Rupp Drive Fort Wayne, Indiana

Principal,

and NATIONAL FIRE INSURANCE COMPANY OF HARTFORD, Surety, are held and firmly bound unto

City of Fort Wayne, Fort Wayne, Indiana in the sum of

FIVE PERCENT OF ACCOMPANYING BID

(Dollars (\$ ----5%-----)

for the payment of which we bind ourselves, our legal representatives, successors and assigns, jointly and severally, firmly by these presents.

WHEREAS, Principal has submitted or is about to submit a proposal to Obligee on a contract for

IBM 4361CPU

NOW, THEREFORE, if the said contract be awarded to Principal and Principal shall, within such time as may be specified, enter into the contract in writing and give such bond or bonds as may be specified in the bidding or contract documents with surety acceptable to Obligee; or if Principal shall fail to do so, pay to Obligee the damages which Obligee may suffer by reason of such failure not exceeding the penalty of this bond, then this obligation shall be void; otherwise to remain in full force and effect.

Signed, sealed and dated March 28, 1985

INTERNATIONAL BUSINESS MACHINES CORPORATION

Principal

\_\_(Seal)

NATIONAL FIRE INSURANCE COMPANY OF HARTFORD

Attorney-in-Fact

Marsha J. Jackson

# National Fire Insurance Company of Hartford



Offices/Chicago, Illinois POWER OF ATTORNEY AR	POINTING
and existing under the laws of the State of Connection	POINTING INDIVIDUAL ATTORNEY-IN-FACT  FIRE INSURANCE COMPANY OF HARTFORD, a corporation duly organized and having its general administrative office in the City of Chicago, and State arsha J. Jackson. Individually
of Illinois, does hereby make, constitute and appointM	arsha J. Jackson, Individually
of Indianapolis, Indiana	
takings and other obligatory instruments of similar nature	hority hereby conferred to sign, seal and execute in its behalf bonds, under- as follows:
- Without	ut Limitations -
and to bind the NATIONAL FIRE INSURANCE COMPANY	
were signed by the duly authorized officers of NATIONAL Pursuant to the authority hereby given are hereby ratified	F HARTFORD thereby as fully and to the same extent as if such instruments and confirmed.
21, 1955 by the Board of Directors of the Company	it to and by authority of the following Resolution duly adapts
appoint, by written certificates, Attorneys-in-Fact to act undertakings and other obligatory instruments of like respective certificates of authority, shall have full powinstrument and to attach the seal of the Corporation the Board of Directors may at any time revoke all pow	President or any Vice President of the Corporation may, from time to time, in behalf of the Corporation in the execution of policies of insurance, bonds, nature. Such Attorneys-in-Fact, subject to the limitations set forth in their thereto. The President, an Executive Vice President, any Vice President or year and authority previously given to any Attendent, any Vice President or
Board of Directors of the Company at a meeting duly called	nile under and by the authority of the following Resolution adapt
may be affixed by facsimile on any power of attorney February 21, 1955 and the signature of a Secretary or facsimile to any certificate of any such power and any valid and binding on the Corporation. Any such power shall, with respect to any bond or undertaking to the corporation.	Executive Vice President or a Vice President and the seal of the Corporation granted pursuant to the Resolution adopted by this Board of Directors on an Assistant Secretary and the seal of the Corporation may be affixed by such power or certificate bearing such facsimile signature and seal shall be seemed and sealed and certified by certificate and seal shall be
WHELEDI, THE NATIONAL FIRE INSTIRANCE	COMPANY OF THE Corporation.
Vice President and its corporate seal to be hereto affixed th	COMPANY OF HARTFORD has caused these presents to be signed by its
	19 84
	NATIONAL FIRE ACCURANCE COMPANY OF HARTFORD
	R J Wall Vice President.
State of Illinois, County of Cook, ss:	wall vice resident.
On this 16th day of	May
R. J. Wall, to me known, who, being by me Western Springs, State of Illinois; that he is a GORD, the corporation described in and which executed the state of the said affixed to the said install aff	duly sworn, did depose and say: that he resides in the Village of a Vice-President of the NATIONAL FIRE INSURANCE COMPANY OF HART above instrument; that he knows the seal of said Corporation; that the nat it was so affixed pursuant to authority given by the Board of Directors suant to like authority, and acknowledges same to be the act and deed
NOTARY PUBLIC CO., III.	Leslie A. Smith Notary Public.
	My Commission Expires November 12, 1986
hereby certify that the Dawn ( ), Assistant	Secretary of the NATIONAL FIRE INSURANCE COMPANY OF HARTFORD, the control of the Secretary of the NATIONAL FIRE INSURANCE COMPANY OF HARTFORD, the control of the Board of the Secretary whereof I have hereunto subscribed by name and affixed the secretary of the Board of the Secretary of the Secretary of the NATIONAL FIRE INSURANCE COMPANY OF HARTFORD, the secretary of the NATIONAL FIRE INSURANCE COMPANY OF HARTFORD, the secretary of the NATIONAL FIRE INSURANCE COMPANY OF HARTFORD, the secretary of the NATIONAL FIRE INSURANCE COMPANY OF HARTFORD, the secretary of the NATIONAL FIRE INSURANCE COMPANY OF HARTFORD, the secretary of the NATIONAL FIRE INSURANCE COMPANY OF HARTFORD, the secretary of the NATIONAL FIRE INSURANCE COMPANY OF HARTFORD, the secretary of the Secretary of the Secretary of the NATIONAL FIRE INSURANCE COMPANY OF HARTFORD, the secretary of th
e seal of the said Company this <u>28th</u> day of	March , 19 85
C With	S. M. M. C.
ि ।	M. C. Vonnahme Assistant Secretary.

## CITY OF FORT WAYNE FORM 3P25 5-68

DEPARTMENT OF PURCHASES Number One Main St., Ft. Wayne, Ind.

INVITATION

Corrections, subject to the conditions on the reverse hereof, are requested on the following list of materials, supplies, equipment = services, for the department as mentioned, with delivery to destination as shown below. Goodstions shall include all charges for delivery, packing, etc. Address your rappy as

"Mail all replies and Carol J. Offerle DEPARTMENT OF PURCHASES Room 940, Number One Main St., Ft. Wayne, Ind. 45802 REQUIRED FOR DELIVERY TO: Department or Division Data Processing Department

Fourth Floor City County Building Ft. Wayne IN 46802 RETURN ORIGINAL TO THE CITY - RETAIN DUPLICATE COPY FOR YOUR FILE Closing Thursday, April 4, 1985 4:00 P.M. Time of Bids

TAINS: THE CIT IS KINOT FROM FEDERAL EXCESS AND INDIANA STATE SALES TAIL THE CIT'S INDIANA SALES TAX EXECUTION CERTIFICATE NUMBER IS NO. 1850. PRICES SHOULD NOT INCLUDE THISE TAILS. See "Instructions to Bibliot" No. 19 or reverse bereck for dec

46802

	Unit	Mazariala, Supplies, Equipment of Services	Unrt Price	Persi American
24 11 6 1	ET1100 AP 1351 B9968 A3-DCP B933	Multifunctional Printer Auto Cassette Sheet Feeder A3 System B933 Communications Processor See Attached Detail	2,520	47,280.00 27,720.00 5,370.00 247,024,00 44,880.00
1.	A3-SSF CM-900	Less 10% Governmental Discount Total SYSTEM SOFTWARE A3 B933 ONE-TIME COSTS		1,680.00 388.00
	1	Hardware Delivery  AFFIRMATIVE ACTION: ON FILE: ATTACHED: X  This Bid will expire 60 days from date of Bid opening		1,550.00

			L			,		0 0 1	DIG	spening.	
Mid Bond required	0%	CX.	5%			. Performance	Bond	ВОК	- FX	100%	
Ferformance Bond GX 100%  See Instruction Item No. 16 on reverse side Service of goods or completion of services.											
				P	ROPOS	AL OR BI	D				

In compilance with the above invitation for bids and subject to all conditions thereof, the undersigned offers and agrees, if this bid be accepted within a reasonable cost from date of closing, to furnish any or said the lasms or reacer such services upon which prices are quoted, in accordance with the specifications applying and at the

Delivery of any or all of the items or completion of services indicated shall be made within \_days from receipt of order 😇 As delivery may be a desiding factor in the award of an order, it is important that hidden's farmish the information requested above. EMPORTANT E

BURROUGHS CORPORATION	
when P Poplar of Company By	I Mon.
1625 Magnavox Way	
Fort Wayne,	_ Indiana

Man Zeres

Page 1 of 19

Ref. No. \_\_\_\_743

Appropriation No. .

Fund

Data March 14, 1985

Date wanted 4/4/85 at 4:00pt

Reply to: BRANCH OFFICE 1625 MAGNAVOX WAY FORT WAYNE, INDIANA 46804 219-432-8761

April 18, 1985

Mrs. Joanne Shubert Director of Data Processing City of Fort Wayne City County Building Fort Wayne, Indiana 46802

Dear Mrs. Shubert:

Burroughs Corporation is pleased to submit the following proposal to satisfy the data processing requirements of the City of Fort Wayne. Burroughs provides not only Office Automation Systems, but also, Installation, Training, Modification Services, Hardware, Hardware Maintenance, Enhancements, and Support for

Behind this proposed system you will find the Burroughs Corporation and its commitment to government. We have the experience and resources to support the City of Fort Wayne. Burroughs Corporation is celebrating its 100th year this year, assuring you we will be here to support you tomorrow. Our service was rated the best in the industry by a recent survey done by International Data Corporation. Our products, services, and support have a considerable amount to offer, and we are confident that we can provide the most comprehensive solution to the needs of the City of Fort Wayne.

The preliminary information and expressions of confidence set forth in this recommendation of Burroughs products and/or services are submitted for your consideration and guidance only in hope that we may be favored with your order. Since this proposal is preliminary only, the contract when accepted shall constitute the only legally binding commitment of the parties.

Hopefully, this proposal has exhibited our ability to handle the City of Fort Wayne's needs in a cost-effective manner. We believe that our solution is the best and most cost-effective one for the City of Fort Wayne. We look forward to your positive evaluation and response.

Sincerely,

BURROUGHS CORPORATION

Ronald P. Paskins

Branch Sales Manager

Steven C. Kucharski Account Representative

/pja

# THE CITY OF FORT WAYNE

# A3 SYSTEM SOFTWARE

PTWARE
STEM SO
A3 SYS

A3 SYSTEM SOFTWARE	DFTVARE	Annual Product Service Agreement PSA 1	Limited Time Plan Monthly License
A3-SW1	Software Package 1 Includes:	\$2,100	\$ 510
A3-CDE	CANDE		
A3-DM2	DMS II		
A3-MCP	Master Control Prog.		
A3-ALG	ALGOL Compiler		
A3-ALX	DC ALGOL Compiler		
A3-BND	Program Binder		
A3-MDC	Microcode (For A3)		
A3-NSF	NSP/LSP Firmware		
A3-SMS	SMF II Site Analysis		
A3-UTL	Utilities		
A3-WFL	Workflow Language		
A3-XAN	Cross Ref. Symbolic		
A3-IPR	Interpro (TM) Package Includes:	096	410
A3-IDD	Advanced Data Dictionary		
A3-SDF	Screen Design Facility		
A3-COE	Communications Mgt. System (Entry)		
A3-ERG	Extended Retrieval with Graphic Output		
A3-DMT	DM Interpreter		
A3-F77	FORTRAN 77 Compiler	300	120
A3-C74	COBOL 74 Compiler	240	120
A3-BSC	Basic Compiler	240	120
A3-BNS	BNA Network Service	1,200	400
	TOTAL SVSTEM SORTHARE		61 690
	TOTAL SOLUTION OF THE SOLUTION		none te

THE CITY OF FORT WAYNE

# B933 COMMUNICATIONS PROCESSOR PRICING

	\$2,232.00	(260.00)					216.00	15.00	36.00	\$3,021,00
Included)	\$1,440	(126)					63 216	126	19	\$1,835
Monthly Lease 5/9 Maintenance (Included) 1 Yr. 3 Yr. 5 Yr.	\$1,661	(126)					63 216 126	18	19	\$2,065
5/9 Mai	\$1,956	(146)				61	250	21	105	\$2,429
Purchase Price U.S. List	\$35,400	(3,500)				1.750	6,000	455	1,945	\$44,880
Description	System Includes: Processor Cabinet (4) Processors	(2) 256KB Mem. Mods. 64KB Memory Data Comm I/O Extender Cable	Disk Control Disk Control WLP Control	Tape Control Direct Connect Kit	77MB Fixed Disk Tape Streamer Dual Line Adapter	B900 3MHz Processor	512KB Memory Module ISC Inbuilt HUB	ODT Control	Operator Display Station	TOTAL B933 SYSTEM
Style	B933-SYS B930-1 B900-3	BD4256-3 BD4064 MP2003 MP1423	MP1480 MP1495 MP1205	MP1498 MP2130 B9489-1	B9493-80 B9498 MP2030	B900-3	CP9540-2 CP9542-5	MP1362	ETITOO ODT	
Qty.	4	8				T C				

\*All ET Terminal products to be granted on-site depot coverage and maintenance pricing.

THE CITY OF FORT WAYNE

# B933 SYSTEM SOFTWARE

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3 SYSTE	
893	l

Limited Time Plan Monthly License	\$100					28	115	35	110	
Annual Product Service Agreement PSA 1	\$205					36	105	42	126	
	Software Facility Includes:	MCP for B900 Systems	B900 CMS Utilities	B900 CMS Superstart	B900 CMS CANDE	Network Definition Language Compiler	GEMCOS (complete system)	IBM 2780/3780	Remote Network	
	CM900 SSF	см900 мсв	CM900 UTL	CM900 SST	CM900 CDE	CM900 NDL	CM900 GMC	CM900 R37	CM900 BNS	

\$388

TOTAL SYSTEM SOFTWARE

#### CITY OF FORT WAYNE

## HANDWARE REQUIREMENTS

#### TO SUPPORT IMS and OAS

# CENTRAL PROCESSING UNIT

- Quoted 6MB Memory based on our experience with the number of users requested. Memory is expandable to 48MB if needed.
- Data Base Management architecture provides for a full automatic synchronized recovery in the event of a shutdown due to power failure, thus eliminating the need for battery backup.
- . Central Processor availability will be 98.7% or greater.
- . Multiple Languages meet specifications.
- . The A3 is field upgradable with local hardware support.
- The A3 is compatible with existing microcomputers in regard to file transfer.
- The A3 uses a 48 Bit processor.
- Future growth path allows an increase in computer power over 26 times with the same operating system and without program recompiliation.
- Multiple C.P.U.'s can be linked together through Burroughs Network Architecture (BNA) software.

## Magnetic Devices

Disk Storage Devices Exceed specifications

Tape Drive Meets specifications

Console and Console Printer Meets specifications

# CITY OF FORT WAYNE

# HARDWARE REQUIREMENTS

# TO SUPPORT IMS and OAS

# Multiplexors and Terminals

• Support 16 Remote Workstations Exceed specifications

Support 32' 'Local' Devices

Burroughs workstations do not require multiplexing for local or remote connection. Co-axial

terminal interfaces are not supported for other vendor's

devices.

• Future Terminal Growth Exceeds specifications

# Printing Devices

• System Printer Exceeds specifications

• Multifunctional Printer Meets specifications

Auto Sheet Feeder
 Single Bin capacity available only

# System Software Requirements

• Operating System Compatibility Meets specifications with B933 Communications Processor.

Data Base Management Protocol
 Meets specifications

• Compilers Meets specifications

Monitoring Performance
 Meets specifications

#### CITY OF FORT WAYNE

# HARDWARE REQUIREMENTS

# TO SUPPORT IMS and OAS

# Support

Hardware Support

Our current average response time for this class system is one hour, and service is available seven days a week, 24 hours a day.

. Training

Meets specifications

Software Support

System and environmental software support is available both locally and through a Toll Free number and software problems may be reported 24 hours a day.

# Delivery

Equipment can be delivered within 90 days of the date of order.

Acceptance testing procedures, criteria, and remedies will be finalized upon completion of contract negotiations should Burroughs be awarded this Bid.

Payment is due 15 days from date of installation of hardware.

Page _	18	_of_	19
Refere	nce No	٥.	743

# NON-COLLUSION AFFIDAVIT

STATE OF INDIAN	VA,	)
ALLEN	COUNTY	SS

The undersigned bidder or agent, being duly sworn on oath, says that he has not, nor has any other member, representative, or agent of the firm, company, corporation or partnership represented by him, entered into any combination, collusion or agreement with any person relative to the price to be bid by anyone at such letting, nor to prevent any person from bidding nor to induce anyone to refrain from bidding, and that this bid is made without reference to any other bid and without any agreement, understanding or combination with any other person in reference to such bidding.

He further says that no person or persons, firms, or corporation has, have or will receive directly or indirectly, any rebate, fee, gift, commission or thing of value on account of such sale or contract.

RONALD P. PASKINS

Bidder Je Agent

For BURROUGHS CORPORATION

Subscribed and sworn to before me this 18th day of April 85

My Commission Expires

april 24, 1987

NORMA J. DESTINGER

THE CITY OF FORT WAYNE

# A3 SYSTEM PRICING

Monthly 5/9 Maintenance Metro 2	\$ 486.00	52.00 73.00 220.00 279.00 46.00 39.00 62.69 186.00	846.40
ncluded) 5 Yr.	\$ 4,300	752 483 1,485 1,593 285 358 337 483	\$272 is used.
Monthly Lease 7/24 Maintenance (Included) 1 Tr. 3 Tr. 5 Tr.	\$ 4,698	827 525 1,685 1,748 309 391 373 483	
Mont 7/24 Mair 1 Yr.	\$ 5,494	977 608 1,952 1,991 357 458 410 559	\$308 ded density of ]
Purchase Price U.S. List	\$ 95,000	18,000 10,000 32,000 50,258 7,200 8,000 11,866 14,700	\$7,875 single phase-encoded density of 1600 BPI
Description	System Includes: Module D Single Proc. 3 MB Memory DC DLP (4 Lines) SMD DLP PRT/Tape DLP User Interface Proc. 125 MB Inbuilt Disk Single I/O Base MOD Op. Disp. Term. (ODT)	Add'1. 3MB Memory 125MB Inbuilt Disk 4 Module - 491MB Disk Drive *470/120KB, 75 IPS Mag Tape Drive with Inbuilt 1 x 4 Formatter *GCR Tape DLP Data Comm DLP (4 Lines) ISC DLP 50' ISC Cable (FCC) 650 LPM Printer	Magnetic Tape Streamer s an economical alternative if only a
Style	A3-D A3-DCP ET-1100	A3-3MB B9493-168 MD4-4 B9495-32M A395-92 A378-8 A302-2 CB736 B9246-6	*B9498 The B9498 is

# PROPOSAL AND BID SURETY FORM

PROPOSAL:

In compliance with the foregoing invitation to bid and subject to all of the conditions thereof the undersigned offers and agrees, if this bid is accepted within a reasonable time from date of opening of bids, to enter into a contract in accordance with the prices stated herein.

The Legal Advertisement. General Conditions, Instructions to Bi Specifications, and Plans applying form a part of this proposal.	dders, Information for Bidders, Special Conditions,
This proposal is supported by the following bid surety as required both a proposal and bid surety executed by the bidder.	d by law and signatures affixed thereto constitute
BID SURETY (REQUIRED BY LAW):	· ·
BOND FORM: (USE THIS BOND FORM-NO ALTERNATE FOR	RM OF BOND WILL BE CONSIDERED).
KNOW ALL MEN BY THESE PRESENTS, THAT we, the und	
of Fort Wayne, State of Indiana, in the sum of Five Percent of	the Attached Bid(5%)
to be paid on demand to said City of Fort Wayne, its successors and made, we hereby bind ourselves, our heirs, successors, executors, and these presents.	assigns for which navment well and truly to be
The condition of this obligation is such that if the bid or proposal at to the within named division of the City of Fort Wayne or its duly conto the undersigned bidder and the said bidder shail within ten (10) dawith the said City of Fort Wayne, State of Indiana, and shall secure as may be required to the satisfaction of the City of Fort Wayne, Indotherwise to be in full force and effect.	nstituted agent, is accepted and a contract awarded ys after notice of said award enter into a contract the performance of the same by bond or otherwise iana then this obligation shall be null and void:
The state of the s	te surety is furnished, it is necessary case authorizing the "attorney-in-fact" oud accompanying the same.
Cashiers Check No in the sum of	
on	
of	erms and conditions as set forth in the above bond.
SIGNATURES (BID SURETY AND PROPOSAL):	BURROUGHS CORPORATION  Name of Bidder Print of Type
Witnessed by:	Signature of Person Authorized to Sign
AND	Title Drank Many
THIS PROPOSAL	1625 Magnavox Way
(See 14—Signatures under General Conditons, etc.)	Street Name and Number

List all Parties if Partnership

Fort Wayne, IN 46804 City, State and Zip Code Date April 18, 1985 SEE COVER LETTER

NATIONAL FIRE INSURANCE COMPANY OF HARTFOR Name of Company - Print or Type

Incorporated Connecticut
In the State of: Incorporated

Address CNA Plaza, Chicago, IL 60685

Anna M. Gefre, Attorney-in-Fact April 18, 1985

# National Fire Insurance Company of Hartford



ffices/Chicago, Illinois

	INSURANCE COMPANY OF HARTFORD & COMPANY
or miliois, does fiereby make constitute and anneling former	INSURANCE COMPANY OF HARTFORD, a corporation duly organized by the company of the composition of the composi
William J. McCarthy, Anna Gefre, Individ	ually
of Troy, Michigan	
its true and lawful Attorney-in-Fact with full power and authority I	haraby and firm the
its true and lawful Attorney-in-Fact with full power and authority havings and other obligatory instruments of similar nature as follows:	ows:
- Without Lin	mitations -
and to hind the NATIONAL TIPE	
and to bind the NATIONAL FIRE INSURANCE COMPANY OF HART were signed by the duly authorized officers of NATIONAL FIRE IN pursuant to the authority hereby given are hereby ratified and co	
21, 1955 by the Board of Directors of the Company	d by authority of the following Resolution duly adopted on Enter
RESOLVED: That the President, an Executive Vice President	lent or any Vice President of the Corporation may, from time to tall of the Corporation in the execution of policies of inc.
respective certificates of authority, shall have full power to the instrument and to attach the street and	Such Attorneys-in-Fact, subject to the limitations set forth in the Corporation by
This Power of Attorney is	authority previously given to any Attorney in Fact
may be affixed by faccinity	ive Vice President or a Vice P
facsimile to any certificate of any such power and any such power and any such power and any such power so executed, with respect to any bond or undertaking to the composition.	sistant Secretary and the seal of the Corporation may be affixed outed and sealed and certified by certificate sealed and seal shall
Withess Wileredt, the NATIONAL FIRE INSURANCE COMPA	and sinding on the Corporation.
/ice President and its corporate seal to be hereto affixed this	8th strong has caused these presents to be signed by
	June 19 84
Contract of the Contract of th	NATIONAL FIRE THEURANCE COMPANY OF HARTFORD
	1 All
	1 11/14
tate of Illinois County to	Wall Vice President.
tate of Illinois, County of Cook, ss:	
On this 8th day of June	
R. J. Wall, to me known who being by me did	19 04, before me personally car
eal affixed to the said described in and which executed the above	President of the NATIONAL FIRE INSURANCE COMPANY OF HAR
said corporation and that he signed his name thereto pursuant to said corporation.	b like authority, and acknowledges same to be the act and de
Selie A. Shi	()
NOTARY	F CAX
PUBLIC	Jedu M Diny
CO. III	Leslie A. Smith Notary Public.
M. C. Warnel	CATE My Commission Expires November 12,
hereby certify that the Decreta	TV Of the NATIONAL FIRE INCLUSION
Directors, set forth in said Power of Attorney herein above set forth is Directors, set forth in said Power of Attorney are still in force. In the seal of the said Company this $\phantom{aaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaa$	estimony whereof I have hereunto subscribed by name and affixed April 1985
	1 / / /
The state of the s	- MI/Mac
	M. C. Vonnahme Assistant Secretary.
	vointaime

# CERTIFICATION OF COMPLIANCE

Burroughs Corporation is a large business enterprise. Burroughs Corporation hereby certifies that it will comply with all applicable provisions of E.O. 11246, as amended, and the rules, regulations, and relevant orders of the Secretary of Labor; and the Vietnam Era Veterans Readjustment Acts of 1974, E.O. 11701, and the rules, regulations, and relevant orders of the Secretary of Labor; the Rehabilitation Act of 1973, E.O. 117458, and rules, regulation, and relevant orders of the Secretary of Labor. Burroughs Corporation also certifies that it will fairly consider as subcontractors and suppliers for applicable contracts and purchase orders "Women-Owned Business Concerns", "Minority Business Enterprises", "Small Business and Small Disadvantaged Business Concerns", and "Labor Surplus Area Concerns".

# Burroughs Corporation further certifies that:

1. It does not and will not maintain or provide for its employees any segregated facilities, as defined in 41#CFR 60-1, as amended, at any of its establishments, and that it does not and will not permit its employees to perform their services at any location under its control where the facilities are segregated.

It further agrees and understands that a breach of the above certification is a violation of the Equal Opportunity Clause of  $\text{E.O.}\ 11246.$ 

It further agrees, where necessary, that it will obtain similar certifications from its subcontractors.

- 2. It will, if applicable, timely file the required reports on Standard Form 100 (EEO-1) with the appropriate agency.
- 3. It will develop a written affirmative action program at each of its establishments consistent with the rules and regulations published by the Department of Labor in 41 CRF Ch. 60, if applicable.

# BURROUGHS A SERIES INFORMATION SYSTEM EXTENSIVE PERFORMANCE RANGE

B7900M	26.41
: B7900K	20.0
В7900Н	14.3
B7900F	3.0
B7900E	5.7
A 9F	3.48
A 9D 2.6	
A 9B 1.7	<ul> <li>SINGLE OPERATING SYSTEM</li> </ul>
A3K 1.6	<ul> <li>FRIENDLY, EASY-TO-USE SOFTWARE</li> </ul>
A3D3 1.0	<ul> <li>CENTRALIZED/DISTRIBUTED PROCESSING</li> </ul>

# Advanced Memory Systems

The A3 features the latest in state-of-the-art technology from design through manufacturing to support of the A3 in the customer installation. The 256K memory chips greatly increase the memory capacity. In fact, the A3 allows a main memory of up to 48MB available to the user. Burroughs is one of the first computer companies to ship systems with this new memory technology, again demonstrating Burroughs commitment to leadership in technology. The use of advanced gate arrays and large scale integration circuitry greatly reduce the component count improving the reliability and reducing the environmental impact of the A3, allowing it to be installed in many office environments.

# Mode of Operation

You have flexibility in the mode of operation of your system. The A3 features a single button start—up which allows all A3 Systems to be started with no more complexity than a personal computer. The A3 can be programmed to start itself up depending on time—of—day, day—of—week criteria. The third method of starting an A3 is through the remote power—up option available from any remote site. The normal method of supporting an A3 System is through a remote diagnostic link. This remote link is provided on the A3 and is independent of the customer's data communications subsystem. The advanced remote diagnostic features allow any diagnostic routine that can be run on—site to be run remotely from a support center as though that support engineer was physically present on—site. This new diagnostic and support technique greatly reduces the mean time to repair, and therefore increases the system availability time

# Peripheral Subsystems

A number of new peripheral subsystems and controllers were released with the A3. These new peripheral subsystems provide appropriate and cost-effective peripherals for the A3 user. These new peripheral subsystems are available to the A3 user while still retaining object code compatibility with other, more powerful, A Series models. The new data communications subsystem, with its Burroughs provided protocols, will satisfy the small to medium-sized network requirement for A3 users. On a single card this new data communication subsystem can handle 4 x 19.2 band economic, cost-effective backup facility and will control a single 650 or 1,250 line-per-minute printer and up to 4 tape streamer units. The new disk DLP is used to control and interface the new Winchester disk subsystem released on the A3.

# A3 HARDWARE DESCRIPTION

The A3 is the second member of the Burroughs A Series Computer Systems. It represents a dramatic new entry into this wide range of code compatible computer systems allowing the user to expand the computing power 26 times without any recompilation or retraining of either his application programming staff or operations style. The A3 is state-of-the-art technology and Burroughs has used this technology to reduce the cost of entry into the Burroughs A Series of Computer Systems. We recognized that the price of the hardware was only half the answer and that to be successful in this marketplace dramatic new advances in the system software would be required. Burroughs has successfully addressed the issues of ease-of-use, personnel productivity, and increased throughput with the concurrent release of InterProtm and a new level of system software, MCP level 3.5.

The virtually unlimited growth potential, new hardware technology and dramatic software advances place the A3 in a class of its own in our industry.

These technological advances provide benefits in cost savings — in efficiency in processing, compactness of size, easier and less costly maintenance and the ability to operate in a normal office environment.

They bring benefits to you in that they enable you to implement superb and sophisticated software in a manner so easy to use that we can bring the ease-of-use of a micro computer to mainframe computing.

An A3 is object code compatible with other A Series systems as well as the B5900/B6000/B7000 series. By maintaining object code compatibility with current products, the A3 can build upon an advanced, mature system and at the same time provide new and easy to use environmental software with a clear "no conversion" performance upgrade path.

The system design objectives are competitive cost/performance, ease of installation, ease-of-use, office environment operation, and improved reliability and maintainability.

In summary, the A3's hardware and software innovations allow the system to accept information faster, process requests quicker and give immediate access to the answers the user needs. In addition, these benefits are derived from a system that can grow throughout Burroughs product line without the need of expensive conversions and recompilations.

The Disk Subsystem features the latest 8" Winchester Disk technology allowing for a capacity of 123MB per spindle. Integrated into the A3 cabinet itself up to 4 8" Winchester Disks giving a total capacity in the main A3 Cabinet of some 500MB of disk storage. These Winchester Disks can be further added to any expansion cabinet on the A3 giving a maximum storage of 1½"GB of inbuilt Winchester Disk. This new disk is highly reliable and offers a very high performance capability to the A3 user. Its transfer rate of 1.2MB per second, multiple spindles and its access time of some 20 milliseconds will aid you in providing high performance systems. The industry standard interfaces, known as Storage Module Device (SMD), allow Burroughs great flexibility in ensuring that the very latest disk storage technology is passed on to our users.

# A3 Models

Burroughs provides you three (3) models of the A3 family of computer systems. The three (3) models are:

- A3 Model D which forms the entry level machine into the A3 family
- A3 Model F which is the same performance as the A3

  Model D but allows for greater connectivity
  of peripheral subsystems
- A3 Model K the high-performance A3 which features a dual-processing capability.

The A3 Model D is field upgradable to either the A3 Model F or K and the A3 Model F is field ungradeable to the Model K. The time for this field upgrade is some two (2) hours work and can be accomplished by local field engineers.

#### A3 Model D

The footprint of the A3 is 7.25 square foot.

The A3 Model D comes with 3MB of main memory which can be expanded up to maximum of 6MB. It also comes with 123MB of inbuilt Winchester Disk which can be increased to 246MB inbuilt with a further 500MB of Winchester Disk added in a free-standing cabinet. The integrated printer Data Link Processor (DLP) tape streamer allows for configuration of either a 650 or 1,250 line-per-minutes printer and the economical tape back-up provided by the tape streamer unit. The data communications subsystem can grow to a maximum of 16 lines. The A3 D, as previously stated, can also be field upgraded to either the A3 Model F or K. The A3 Model D will support high performance magnetic tape drives as well as the new Burroughs Laser Printer.

# A3 Model F

The A3 Model F is the single processor A3 System and while it has the same performance as the A3 Model D, it allows a much greater connection of peripheral subsystems.

The A3 Model F includes all the features of the A3 Model D but allows for vastly increased peripheral connectivity. The A3 Model F allows users to install up to 24MB of main memory. This new memory subsystem greatly increases the capacity of memory available to the user over previous generations of computer systems. This new increased capacity in main memory opens up new possibilities for the application developer and will significantly increase system throughput. The 16 input/output channels can also be used to connect the high-speed, large capacity 14" disk subsystems available on other members of the A Series. Also the A3 Model F allows users to install the data communication subsystem that is available on the A9 and B7900 range of computer systems from the Burroughs Corporation. These Network Support Processors offer great flexibility and the ability to configure large networks. Both the new data communications Data Link Processor (DLP) and network support processors can operate concurrently on the A3 Model F. The A3 Model F is, of course, field ungradable to the dual processor A3 Model K.

The A3 Model F also allows up to 4 of the inbuilt Winchester Disks to be configured inside the main cabinet. The total number of data communications lines available on the A3 Model F in combination with both data comm DLP, network support processor and data communications subsystem is 64 data communication lines.

The A3 Expansion Cabinet is required on the A3 Model F in order to configure the Network Support Processor and data communication subsystem. The Expansion Cabinet features an additional 2 I/O bases to house this data communications subsystem. The size of the Expansion Cabinet is the same as the main A3 Cabinet, namely, 7.25 square foot. If an expansion is configured, an additional 4 inbuilt Winchester Disk Drives can be added to give a maximum capacity of integrated Winchester Disks on the A3 Model F of 1GB of inbuilt disk storage. The A3 Expansion Cabinet is not available on the A3 Model D. The A3 Model F will support one Expansion Cabinet and A3 Model K will support up to two Expansion Cabinets.

# A3 Model K

The A3 Model K has all the features of the A3 Model F but increases the system performance by some 60% over the A3 Model D and F. The main memory capacity on the A3 Model K is some 48MB which is unparalleled in this class of machine in the industry. The A3 Model K allows for an increased data communication subsystem and you can configure up to 120 telecommunication lines. The total disk storage capacity of 6 GB in a combination of both Winchester and Memorex 14" disk will meet the storage requirements for most users. All the system resources e.g. Main Memory are available to both processors in the A3 Model K and all peripheral devices are seen by both processors. Only one copy of the operating system is running and no program changes or new operating procedures are required when upgrading from A3 Model K to an A9 Series system.

The main difference between the A3 Model F and K is the fact that a second central processor is being added. This increases the performance of the A3 Model K by some 60% over the A3 Model F. The A3 Model K also allows for increased peripheral devices to be configured. Again, up to 500MB of inbuilt Winchester Disk can be configured inside the main A3 Cabinet.

The A3 Model K can be expanded to include 2 expansion cabinets housing the Network Support/Line Support data communications subsystems giving a total data communications line capability of some 120 lines. This allows a substantial terminal network to be configured on an A3 Model K. The use of these two expansion cabinets allow 1 1/2 GB of inbuilt disk to be installed with A3 Model K.

# Data Communications Subsystem

The new data communications subsystem released on the A3 allows for up to 4 data communications lines on a single card. Standard with each of these data communications Data Link Processor's (DLP's) is an auto dial facility for one of those 4 lines. The A3 Model D and F allows a maximum of 16 lines and the A3 Model K a maximum of 24 lines. This new data communications subsystem greatly reduces the number of cards required to provide the networking subsystem. A sixteen line capability is provided by 4 cards of the new data comm DLP as opposed to 15 on the NSP/LSP data comm subsystem. The new data comm DLP is not user programmable and all protocols are provided by Burroughs. The Burroughs Poll/Select communications protocol is a multipoint environment providing access to multiple workstations over a single communications line or path either locally or remotely.

Released with this new data communications subsystem are a variety of protocols. We will be releasing synchronous and asynchronous poll/select and teletype protocols. During the course of 1985, bisync and BDLC protocols will be added. A variety of line speeds are available on this data communications subsystem up to maximum of 1 line at 56KB per second. You can on the A3 Model F and K also install the currently released data communications subsystems featuring Network Support Processors and Line Support Processors. This data communications subsystem is the same as currently available on the B7900 and A9 Computer Systems. Both the NSP and LSP data communications subsystem and the new data communications DLP can work together on A3 Model F and A3 Model K Systems.

# System Console

The A3 system console is a standard direct connect ET1100 workstation. This system console can be installed up to 1,000 feet from the A3 Systems. This flexibility is further enhanced by the fact that any workstation can be configured as an operator terminal. The function of operator display terminals (ODT) or workstations can be changed dynamically through systems software commands. A benefit to you is the ability to use the ODT also as a workstation.

# System Printer Capabilities

The integrated line printer and tape control allows for the connection of either a 650 or 1,250, lines-per-minute printer, plus the new Burroughs developed 30 pages-per-minute Laser Printer. These very reliable printers provide high quality printed output. Each A3 System will support a maximum of 2 line printers.

# Magnetic Tape Subsystems

Also supported by the printer tape DLP is the Magnetic Tape Streamer. This low-cost magnetic tape unit provides an economical alternative for those sites not requiring high-performance tape subsystems. The Magnetic Tape Streamer is a dual-purpose, low-cost magnetic tape unit totally suited for the save and restore file transfer function. Up to 4 tape streaming devices can be configured on the single printer tape Data Link Processor (DLP).

# High Speed Tape Subsystems

A variety of high performance tape drives are also available. They are 50/75/125IPS - 80/120/200KB phase encoded drives. Plus a 75IPS - 470/120KB GCR tape drive.

# Disk Subsystems

The A3 computer systems allow a variety of disk storage devices to be configured to suit the individual users requirements. We provide the very latest 8" Winchester Disk technology, either integrated within the A3 cabinet or as a free-standing, Multi Disk 4 cabinet, providing up to 2GB of storage. A variety of either fixed capacity or removable 14" disk storage is available on the A3 Model F and A3 Model K.

# Multi-Disk 4 Subsystem

The Multi-Disk 4 subsystem contains up to a maximum of 4 spindles of 8" Winchester Disks giving a total capacity of 492MB per cabinet. This new Multi-Disk 4 subsystem is controlled by the same Storage Modular Device DLP as the inbuilt integrated Winchester Disk previously mentioned on A3 Systems. A maximum of some 2GB of this new high-performance, state-of-the-art Winchester Disk technology is available on A3 Systems. This new disk subsystem as with the inbuilt disk gives you the benefit of a multiple spindle transfer rate of 1.2MB per second and access time of 30ms.

# 14" Disk Storage Units

High capacity 14" disk storage units are available on the A3 Model F and A3 Model K Systems. The total storage available by these large capacity disks is some 4GB of disk capacity. These disk subsystems include 252MB removable drives or 542MB fixed drives.

# Other Peripheral Devices

You have a variety of peripheral subsystems that are available in Burroughs A3 Information Subsystems. A number of 80 column card readers and 80 column card punch devices are available should these be required.

### Increased Reliability

The central processor availability will be 98.7% or greater. The very latest development techniques have been employed to increase reliability and maintainability of the A3 computer systems. There is no scheduled preventative maintenance required by the A3 central processor or input/output data link processors with the exception of changing the air filter every six (6) months on the inbuilt disk drives. The integrated maintenance processor provides Burroughs with the capability to run remote diagnostics from a Resource Control Center. Any diagnostic routine that a engineer could run on-site can be run via this telecommunications link and the results of this diagnostic routine can be viewed at the remote support location. This remote link is provided by the maintenance processor and so does not require any of the users data communication subsystem. All A3 systems will be shipped with the modem to provide this remote support link.

The maintenance philosophy for all A3 computer systems is one of board replacement and by use of the remote diagnostic link a local engineer can be dispatched to the site with the appropriate module to replace at the failing computer site. Also included in the diagnostic capability of the A3 is the ability to remotely alter the voltage applied internally to components of the A3 so aiding the trapping and diagnosing of any intermittent systems problems.

The installation of the A3 has been simplified so that an A3 System can typically be installed in less than four (4) hours. All the peripheral devices for the A3 are individually powered, except, the power for the Integrated Winchester Disk comes from the A3 itself.

# System Software

The system software facility released with the A3 includes the Master Control Program (MCP), System Utilities - a basic systems management facility, workflow language, and the first of the new software products released with the A3 Menu-Assisted Resource Control or MARC which greatly simplifies the man-machine interface for the operations staff.

Included in the A3 system software packages are the interactive data communications module or IDC which allows, through menu-screens, the ability to configure and define your network and so negating the requirement that any of your staff understand the network definitions language. Also included in the software package is the Burroughs Data Management System or DMSII. The availability of this fully-featured and highly regarded data base system will allow for the rapid development of data base application systems with all the advantages of multiple retrieval methods.

#### InterPro

Also released and available on the A3 Computer Systems is a software package from Burroughs called InterProtm. This new package of software products addresses the area of productivity and greatly simplifies any man-machine interface. The products that make up the InterProtm package are; the Advanced Data Dictionary, the very heart of the database system which monitors the performance use and function of a DMSII database, Screen Design Facility, which greatly aids the design and development of on-line systems, and the Communications Management System which provides the message control facility for the A3. ERGO, an end-user inquiry and reporting package, allows end users to make Ad Hoc inquires of the database and view them in graphic form.

# Languages

Also available on the A3 are, of course, a number of individual language compilers including Burroughs Logic and Information Network Compiler LINC. This total systems application generator, with its proven productivity record, significantly reduces the application backlog and eases the maintenance and updating of application systems. The languages available on the A3 include COBOL '68, COBOL '74, RPG II, FORTRAN 66, FORTRAN 77, BASIC, APL, PL1, ALGOL and PASCAL. Also supported on the A3 is, of course, the Burroughs Network Architecture BNA which provides the interface to many different networking and protocol requirements.

A3 is your investment in productivity. We believe that with the A3 and InterPro Series of software products we have significantly increased your ability to make real productivity gains in all areas of information management. In the area of operations, the menu-driven, man-machine interface can significantly reduce the training and staffing requirements normally associated with computer systems of this capacity. The ability to run the A3 in a distributed environment without a highly-trained, specialist staff again greatly increases the flexibility and the ability for you to make business decisions based on your business requirements and not the constraints of a computer system. If you have a programming and development staff, they will find the new software products released in the InterProtm Series of great benefit to them not only in the devlepment but also in the maintenance of existing programs. The end user departments will find ERGO, the end-user reporting package, and the use of such software products as Data Transfer System (DTS) or Host-Link which integrates the individual workstation with the mainframe of great benefit to them. Management can be assured that their investment in computer hardware and software is helping to maximize the productivity of their

The A3 is the entry point for the Burroughs A Systems. As a new A3 user, you will enjoy a growth path unparalleled in the computer industry. You can increase your computing power by over 26 times without changing application software, operating system, peripherals, or retraining personnel. This truly allows organizations to seriously consider standardizing on Burroughs equipment. The A Series provides the appropriate level of computing resources required at each workstation in a distributed environment while retaining a single software interface.

# SYSTEM SOFTWARE

Burroughs has been recognized by the industry as providing the most efficient operating system in the marketplace. We first introduced the MCP in the early 1960's operating on the B5500. Since that introduction we have devoted over 15 calendar years and thousands of man years improving and refining the MCP concept. Burroughs has recently announced the MARC 3.5 release of system software and its most significant enhancement, the Inter-Pro series.

The Master Control Program is an integrated feature of every Burroughs small, medium and large scale computer system. A few of the ways it reduces real costs associated with data processing are: It automatically provides simplicity, ease, controlled growth, man/machine communication, audit, job scheduling, input/output service, memory allocation and many other benefits.

In order to understand the Master Control Program, it is best to analyze its capabilities and apply these benefits to your operational environment.

Burroughs' Master Control Program assumes many operating tasks and keeps human intervention to a minimum. The MCP automatically monitors the peripherals to determine which are ready for input. It notifies your operator if a parity error, data loss or peripheral not-ready condition occurs. It automatically assigns disk file space or data files to a job when requested, plus it controls retrieving/placing data files on the disk subsystem.

These capabilities described are called "system self-regulation". This is one of the strong user-oriented benefits of the MCP. Most competitive systems require a stack of control cards to tell their limited operating system where the input data is located and where the output data is to go, where on the disk file to store the data, etc.. The Master Control Program regulates and controls the system. It maintains parameter tables of how much memory is available. The MCP monitors the entire system and dynamically updates the parameter tables so that it may make full use of the available system resources without operator intervention. Furthermore, the MCP will retry the input/output operation that failed or notify the operator of the problem if human intervention is required (magnetic tape drive is powered off).

The MCP and operator communicate in abbreviated English-like phrases through the console to simplify the man/machine interface. The MCP informs your operator whenever it initiates or terminates a program. It advises your operator on missing data, program requirements or error conditions. The operator may request information pertaining to program status, time running, data files present or check the ready/not ready status of a peripheral, start and stop a program or list the program library stored on disk.

Many systems provide no simple technique of communication with the operator. This technique results in lost processing time. Lost processing time means inefficient operation and costs you money. The English-like communication of the MCP saves the system user training expense, idle expense and the cost of re-running jobs because the operator misunderstood the program requirements. In effect, this means more results in a given period of time. Operators of the system may also inquire about the program status, peripheral status, user library on disk, etc. Burroughs' MCP is designed for the user.

The MCP maintains a 24-hour clock which is used to supply time to the program, trigger environment checking at regular intervals and record is automatic and is an excellent base for job costing. As a complete and accurate picture of system utilization, the MCP audit greatly enhances your management control over operations.

The A Series is the only system in its class that maintains an audit log. The MCP builds a disk file that logs the start and completion of each log. Therefore, many of the tedious, repetitious operations inherent in programming are absorbed by the MCP. Your programmer avoids the detailed work involved in memory allocation, data loading, routines, data file opening and closing, logical record blocking and unblocking, input/output details, program overlay management, library calls and other computer "housekeeping" tasks. Your programmers can concentrate their talent on solving your problem, not the computer's.

Another programming burden, input/output data file handling, has been assumed by the MCP. Your programmer will always refer to data files by an alpha descriptive word. Data files are immediately identified with requesting programs. Data files from random access disk storage are allocated space automatically.

When a program is terminated, the MCP automatically closes all data files as part of its "housekeeping" routine. Data files may be fixed for variable length, arranged in fixed or variable length record blocks. The MCP automatically blocks and unblocks logical records according to the program specifications; more real productive work is accomplished in this manner.

At program initiation time, the MCP automatically assigns memory space for the program logic and its associated data. Input/output file space is not assigned to the program until it is needed. Data and logic are only maintained in memory as they are required by the program. When a program is terminated, the MCP immediately carries out all "housekeeping" necessary and makes the memory space available to the next program in the job schedule.

Extensive Job Control Language Cards are not required to initiate a job on the A Series System. An operator may execute a job via the card reader with one simple statement, or, the program may be executed from the console. The MCP provides memory for the user logic and data. If more than one job is being executed (multiprogrammed), the MCP does not partition memory or require a special "dial" to inform it of which area of memory is to be used. Burroughs' MCP automatically manages all resources, including memory.

Burroughs' MCP maximizes memory utilization and runs jobs that are larger than its memory capacity. This unique capability is termed Program Segmentation and provides the effect of "INFINITE" memory through utilizing the disk file as a virtual memory. Burroughs program segmentation is based on the use of language compilers as preprocessors. These language compilers logically divide the job and create a detailed record showing the relationship of the job segments. The conventional computer is unable to process large jobs because of insufficient memory. Normally, you need as much memory as your largest job requires. This is not true with Burroughs. The MCP brings program segments and data from disk into memory today on Burroughs computers to run programs of any size without expanding their present systems.

The important feature of Burroughs virtual memory is that no operator or programmer intervention is required. The language compilers link the program segments and data together. The MCP retrieves logic and data from disk as the program requires. The programmer writes as large a program as is required for the job. The MCP stores as much of it as possible. The rest stays on disk until it is needed. When the program logic is required, the MCP automatically fetches the program segments from the program segment back on disk. When additional memory is added to a system, the MCP automatically utilizes the new memory increment to store more of the program. Since the programmer was never concerned with a memory limitation, he does no reprogramming when the system grows. Very few computer manufactures offer virtual memory capabilities in this price range.

One of the major advantages of a comprehensive operating system is the ability to serve several programs concurrently. The Master Control Program directs a group of programs through the system according to scheduling priority, automatically allocating memory areas for each, assigning peripherals to meet input/output requirements and tending to all processing details. Independently written programs are entered into the system in any language and in any sequence. The MCP assigns software/hardware components to meet the requirements until the entire system is in operation. As soon as a program is terminated, the MCP allows another program or group of programs to refill the system. In this way, the MCP keeps your system at peak utilization as long as there is work to be done.

Efficient multiprogramming requires concurrent input/output operation. This is accomplished on the A Series through the buffered peripheral controls, the MCP and the processor. When your program requests an input/output operation, the MCP initiates the proper requests and an input/output dispatch describing the operation to the designated buffered control. Upon completion of an input operation, the processor places the data in the program memory. The MCP only becomes involved again if there was a malfunction (e.g., parity error or data loss). This advanced hardware/software integrated effort provides more throughput by not interrupting the MCP and work programs. The input/output peripherals are operating at maximum capacity and under direct control of the high-speed processor.

Input/output control is an important aspect of all computer systems. Burroughs I/O design is an integration of hardware and software components and is superior to our competition's. Every peripheral on a A Series has a buffered control. Therefore, all peripherals can input data to their buffered controller while the processor is uninterrupted (simultaneous of I/O and processor). When the buffer is full, the processor retrieves the data and places it into the user program memory area at memory speed — not the much slower peripheral speed. The MCP "constructs" the I/O descriptor over the processor I/O logic. From that point on, the MCP is not involved (unless an I/O error occurs, in which case the MCP will investigate the error and either retry the operation or notify the operator.)

In a multiprogramming environment, it is quite possible for several programs to require printer or punch output to a blank tape or disk area. The captured data is read back to the printer or punch as the unit becomes free. This technique allows processing to continue on programs which would otherwise be suspended waiting peripheral availability.

Just as a card reader often does not run at its rated speed, because of user program logic, a line printer or card punch often does not run at its rated speed. Furthermore, many jobs could require a printer or punch simultaneously. The MCP automatically diverts printer and punch output to blank tape or disk areas if the units are in use. No special programming or operator training is required. When the printer or punch becomes available, the MCP automatically reads the disk area or tape and relays the data to the printer or the punch. Burrough's MCP is designed for increased throughput.

The concept of program sharing or re-entrant code is directed at conserving memory. Under the MCP control the same copy of a language compiler, inquiry, update or any work program is available to multiple users. Conventionally, each person who is using the system needs a separate copy of the COBOL compiler. Therefore, memory becomes rapidly filled. The MCP controls re-entrant programs for all your jobs.

# Menu Assisted Resource Control (MARC)

Burroughs provides the MCP to the user. The MCP is in itself a user oriented benefit and has been designed to reduce the user's cost and increase his results. One aspect of the new Inter-Pro Software is a Menu Assisted Resource Control (MARC) interface to the MCP which simplifies system operations.

MARC replaces conventional operational commands with menu assistance. Operators no longer need to remember the large number of commands associated with the system; they are guided through the process of forming and initiating requests. More experienced operators may direct the system to specific menus or forms if they do not need full guidance. When questions arise, on-line documentation answers them. In addition, since an operator needs to supply only variable information, he makes fewer errors. MARC also improves productivity of programmers who need some limited form of operational control. Because authorized terminals are supported as well as the system console, programmers may be guided through operational requests.

A MARC utility permits authorized personnel to revise the appearance of menus. Installation specific menus also may be added to address unique, recurring operational requests. On-line documentation information also may be customized.

MARC normally is restricted to a limited number of personnel. Within that group, the actual operational procedures also may be restricted to protect the integrity of the system.

# Environmental Software

In line with the software development philosophy of providing products that will reduce programming effort and complexity, Burroughs has introduced a comprehensive collection of Environmental Software tools. Environmental Software concentrates on the areas of efficient Data Base Management, Communications Network Definition, Data Communication Message Reporting, Auditing, and Distributed Processing Network Architectures. Environmental Software The Systems are designed specifically to service the advanced architecture presented by the A Series system product line and as a result are highly efficient. Some of the Environmental Software tools available include:

# Environmental Software (Continued)

- \* DMS II and Advanced Data Dictionary Systems (ADDS)
  - \* DMS/INQUIRY: for ad hoc inquiries
  - \* DATA DICTIONARY: for data base control
  - \* DBANALYZER: for data base analysis
  - \* DBMONITOR: for data base monitor
  - \* Utilities: for data base backup, reorganization and recovery
- \* Transaction Processing System (TPS): for transaction-oriented data management installations
- \* GEneralized Message COntrol System (GEMCOS) and Communications Management System (CMS): for message control in a data communications environment
- \* Screen Design Facility (SDF): screen painting, through menu support
- \* Command AND Edit Language (CANDE): for timesharing and program development
- \* Network Definition Language (NDL II) and Interactive Data Comm Configuration (IDC): for network definition
- \* REPORTER III and Extended Retrieval with Graphic Output (ERGO): for ad hoc reporting and internal auditing

These Environmental Software System tools provide for efficient use of both computer resources and personnel. They permit an installation to concentrate on business problems rather than the complexities of the computer itself. They also make arrangement information available when it is required, on an ad hoc basis, rather than when programming resource is available.

Environmental Software removes a large portion of the programming workload normally associated with system development and implementation. This permits the concentration of installation resources on organizational requirements rather than computer requirements. The following pages review some of the Environmental Software components available with the

# Environmental Software

Burroughs Environmental Software consists of Transactions Management Systems, Data Base Management Systems, and Network Management Systems. Together, they provide a total package for the management of your transaction-oriented network.

This software is modular in design, providing the flexibility to select only those modules that meet your present requirements and expand your system as your business grows.

# Transaction Management

Transaction processing is managed by systems that:

\* Provide access and process security

- \* Automatically route transaction between their source and destination
- \* Modify the format of transactions to meet network and process requirements
- \* Provide aids to develop application programs
- \* Restore the network if failure is detected
- \* Supply data entry and validation systems

# Data Base Management

The Data Base is managed by systems that:

- \* Create and maintain managed data files (sets)
- \* Supply required access routines
- \* Provide data base recovery
- \* Eliminate errors caused by contention and deadlock
- \* Provide comprehensive reporting procedures
- \* Support inquiry into the data base

### Network Management

The Data Communications Network is managed by systems that:

- \* Provide required data communications protocols
- \* Detect line and protocol errors
- \* Simplify network reconfiguration
- \* Monitor the status of the remote network
- \* Provide remote batch processing

By removing environmental management from the applications, Burroughs allows you to concentrate on your changing business requirements.

#### Compilers

Burroughs dedication to the exclusive use of high-level languages has produced a complete library of advanced lanaguage compilers. They are not assemblers. These compilers conform to industry standards and contain numerous extensions that dramatically reduce the programming effort in areas of file handling, data communications, and data base management.

Available A Series system language compilers include:

COBOL: Both ANSII 69 and ASNII74 versions.

FORTRAN: FORTRAN IV and FORTRAN 77

BASIC: Industry standard implementation.

RPG: A full RPG II implementation with extensions for data communications and DMS II data base management.

#### **EDITORS**

#### Command and Edit Language (CANDE)

CANDE provides the capability to develop and test programs remotely in an on-line environment concurrently with the execution of application programs. It enables terminal users to easily interact with the host system to create, edit, and reorganize program and data files. CANDE is a powerful programming tool that uses standard compilers and operates in conjunction with the MCP and other Burroughs Environmental Software. It can significantly reduce programming overhead.

#### Editor

Editor is a utility program designed to aid in the interactive creation and modification of the program and data files. It is run on a terminal through, and in conjunction with, CANDE. The Editor is screen-oriented, allowing you to view records in context and to "point" to a location to be edited. The terminal's screen is a "window" on your workfile and may be moved forward and backward in the file through the use of very simple commands.

### Data Management

Burroughs generative Environmental Software minimizes the time and cost impact of program development, change and maintenance. Environmental Software significantly reduces tasks and responsibilities conventionally performed by programmers. Environmental Software contributes to complete documentation, provides hardware independent programs and greatly decreases program maintenance costs.

### Message Control

Generalized Message Control System (GEMCOS) is a generative system utilizing Burroughs Transaction Control Language. GEMCOS creates a Message Control System (MCS) tailored to the specific transaction processing requirements of our organization. It provides the data communications user with a variable interface between NDL II and the program related to the application. It also handles security, formatting and routing, and automatic multi-threading. GEMCOS enables your department to develop transaction processing application programs independently of your network environment.

### Network Control

Burroughs Network Definition Language II (NDL II) allows you to describe data communications networks in terms of station names, terminal types, line speed and line procedures. From these minimal parameters, NDL II generates a comprehensive communications processor operating system with the necessary codes and tables required for the efficient management of complex networks. Specialized data communications expertise is not required in using NDL II.

Because NDL II is independent of application programs, the terminal network can be modified without impacting applications, thus further protecting your programming investment.

### Data Base Management

One of your organization's most valuable resources is data. Without it, your organization could not function efficiently or profitably. If data is mishandled or is difficult and costly to access, it can become almost worthless.

Burroughs Data Management System II (DMS II) enables you to efficiently centralize the management of data while drastically reducing the associated programming efforts. DMS II relieves application programmers reporting to your data processing manager of the burdensome effort related to data storage and retrieval. With DMS II, data file structures and interrelationships are described only once to the the system. Programmers may then add, update and retrieve data without concern for data placement, or organization of access methods.

DMSII generates the data base structure and access routines that are completely controlled by the Master Control Program (MCP) operating system. DMS II can be used directly by application programs written in COBOL, RPG, and indirectly by programs in other languages.

### Results-oriented DMS II:

- \* Effectively isolates data management from individual programs.
- \* Allows programmers and analysts to use information without regard to its description or structure.
- \* Makes data management truly transaction-oriented.
- \* Provides easy-to-use, user-oriented interfaces to the data base.
- \* Allows common information to be accessed simultaneously from batch, on-line, time sharing and remote job entry environment.
- \* Speeds efficient retrieval of timely information.
- \* Helps maintain security and privacy of data.
- \* Provides centralized audit and recovery.
- \* Allows multi-threading of transactions for high-volume throughput.

DMS II enables you to have a greater, easier and significantly more economical access to your data.

# Transaction Management

Effective management of transaction is provided through the Transaction Processing System (TPS). TPS provides for centralized descriptions of transactions. These descriptions are independent of application programs and thus reduce the burden on application programmers.

TPS facilitates quick and easy implementation of remote data base systems by providing the capability to move transactions throughout a network.

# System Utilities

Burroughs provides a complete set of utilities to enhance the ease of use of the large systems equipment. These utilities allow a site to easily list mass storage maps, change file attributes, scratch or remove files and storage units, move files between units, copy and validate files, etc.. There are also utilities which reformat and list data from any input media, convert data from one media to any other, sort and merge files, provide for spooled printer files and their automatic printing.

# Data Security

Government information is inherently sensitive, containing information on individuals that must be protected from unauthorized access. The Burroughs Corporation is aware of the needs to preserve the confidentiality of this data, and proposes a system design that will be compliant with both the spirit and the letter of the Privacy Act of 1974.

Because Burroughs has long recognized the importance of privacy with the use of computers, it has incorporated advanced features into the design of its computing equipment and associated system programs with which an A Series system user can protect the privacy of his data. Burroughs views its primary responsibility in the area of data privacy to be providing its customer with a set of comprehensive and reliable tools which can be employed to construct an information processing environment with optimum data privacy. The function of these tools is to monitor the constraints specified by the customer, to inhibit any attempt at unauthorized use, and to record the occurrence of any such attempt.

In addition, Burroughs has taken an active role in helping its customer-users protect the privacy, confidentiality and security of the data entrusted for storage within the system. Also, Burroughs routinely educates and assists its customer-users in working our procedural techniques for preserving confidentiality, enabling them to fully realize the potential for security of establishing and maintaining physical and administrative security, recruiting and training trustworthy staffs of operators and hardware/software maintenance personnel, and exercising control over user priviledges and software obtained for external sources.

Facilities for the maintenance of data privacy on Burroughs Computer systems include:

- 1. Protection against unauthorized access to the system as a whole.
- Protection against unauthorized access to computer system equipment resources including, but not limited to, program and data files stored in memory as well as on other devices which are part of the system.
- 3. Protection against unauthorized use of equipment and programming features which are restricted only for use by the system itself.

The system provides a mechanism for identifying system users, limiting system access only to valid users, and restricting file access to properly identified users.

Whenever a potential security violation is detected by the system, such as an attempt to gain access to the system with an invalid user code or password, the event is recorded in the system log. The user attempting such access (i.e., the program encountering the violation) normally is terminated after the event is logged and the access attempt inhibited.

Security and its relationship to information processing within Burroughs continues to be a very active area of research, and as advances in the state-of-the-art are produced, Burroughs will continue its effort to design and build systems which reflect these advances.

# THE SYSTEM MANAGEMENT FACILITY II (SMFII)

The System Management Facility II (SMFII) is a powerful software package that allows a comprehensive evaluation of total system performance. Data is collected on a wide variety of system activities via system logs, on-line statistical samples and manual input. Sophisticated analysis programs are provided that can manipulate, analyze and display this data and print reports.

Two major SMFII modules are available: SMFII/Site management, and SMFII Resource Management. These may be integrated, or used in a stand-alone fashion. Both modules use the SMFII/QUERY program whih provides comprehensive customized reporting and graphical output in an interactive or batch environment.

The Site Management module enables installation management to assess the operating condition of the system's hardware and software components. The Hardware information relates to the incidence and nature of system detected faults in mainframe and peripheral devides. The Availability information relates to the incidence, nature, extent, and resolution of disruptive events which occur on the total system.

The Resource Management module enables installation management to characterize the workload imposed on the system, and the utilization of the system resources by that workload. The workload information relates to the nature of programs run on the system and the manner in which users demand service from the system. The Utilization information relates to the use of hardware and software resources by the programs, and the behaviour or the resource management mechanisms in the operating system (MCP.)

### MAINTENANCE

### A. Types of Support

Burroughs offers a number of maintenance plans designed to meet the particular requirements of lease or purchase customers and to provide optimum equipment availability. These plans include:

# Maintenance Planning

Equipment purchased from Burroughs can be covered by selecting one of the maintenance agreement plans which provides the required planning, maintenance, and engineering services for the city.

## Installation Planning

Guidance in such matters as power supply and distribution, room environment, physical equipment sizes and equipment service clearances and computer room layouts.

## Preventive Maintenance

Preventive maintenance is defined as the testing, cleaning, lubricating and adjusting of the equipment and the replacing of necessary parts in order to maintain operating standards established by Burroughs. (Note: parts are furnished at no additional cost excluding specially identified items on certain equipment.)

Preventative maintenance and parts will be provided, as required, to maintain the equipment in good operating condition. This service will be provided during any contracted remedial maintenance hours, Monday through Friday, between 7 a.m. and midnight excluding Burroughs recognized holidays. Preventative maintenance service includes the installation of "engineering changes" that will improve product performance. "After hours" preventative maintenance is available at additional cost.

# Remedial Maintenance

Adjustments and/or parts replacement should the equipment fail to operate in the expected manner is provided.

Remedial maintenance will be provided during the days of the week and hours of the day covered under the selected plan. The plans range from a basic eight-hour period, 5 day week to full 24 hour, 7 day coverage.

Remedial maintenance outside the hour selected will be provided subject to availability of Field Engineers, on an hourly billable service basis.

Parts will be obtained at no additional cost when a maintenance policy is obtained.

### Engineering Changes

These are design changes which we initiate in order to further enhance performance and maintainabilty. These changes are provided to our field engineers, either as "Logic Improvement Notices" (LINS) or "Reliability Improvement Notices" (RINS), and at times mutually agreed upon, are incorporated into your system.

### Maintenance Agreements

All new equipment can be covered under a Maintenance Agreement. Used equipment must meet or be brought up to certain standards before being eligible for coverage.

### Plan A

Maintenance Agreement Plan A provides basic service at your site, Monday through Friday, excluding Burroughs recognized holidays. You may select any uninterrupted nine hour period between 7:00 a.m. and 6:00 p.m. for these services:

- Preventative Maintenance
- Remedial Maintenance
- Engineering Change Installation
- Parts Replacement
- Installation Planning Guidance

### Options Available

- Extended Maintenance Coverage can be purchased in contiguous increments up to twenty-four (24) hours a day, seven (7) days a week, excluding Burroughs recognized holidays and provides the following services:
  - Preventative Maintenance for the hours of coverage that are between 7:00 a.m. and midnight
  - . Remedial Maintenance for the hours of coverage
- After-Hours Preventative Maintenance offers preventative maintenance and installation of engineering changes during any hour of any day, excluding Burroughs recognized holidays.
- Holiday Remedial Maintenance provides remedial maintenance services during all holidays.
- On-Site Field Engineering coverage provides one or more field engineers on location at your computer facility during the hours and days of coverage.

# Other Maintenance Services

In addition to services covered by the above maintenance agreement plans, you may request, on an as-needed basis, any of the following:

# Billable or on-call service

Billable service is any service to equipment when that equipment is not covered by warranty, maintenance or lease agreements. Our response time will depend on whether field engineering personnel are available at the time of your request. Charges will be billed for labor, material and transportation costs at the then-current rates. Labor cost will be computed portal-to-portal with a minimum charge of one hour during normal business hours and two hours for any other period. Normal business hours are defined as 8 a.m. to 5 p.m., Monday through Friday, Burroughs holidays excluded.

### After-Hours Service

After-hours service is any maintenance service to equipment outside of the hours covered by maintenance agreement, warranty or lease: it is charged at the then-current rates, which are computed portal-to-portal with a two hour minimum charge. Since response time for after-hours service depends on the availability of field engineers, it cannot be guaranteed. This service is provided for those customers that may occassionally use their equipment outside their contracted hours.

If you regularly use the equipment outside the contracted hours, you should not depend on after-hours service; instead, arrange for extended maintenance coverage.

### Stand-By Coverage

If the equipment is used outside the contracted period and you require guaranteed availability of Field Engineering personnel in case of equipment failure, you can request Burroughs field engineering management to assign a field engineer on a stand-by-basis. Stand-by coverage is charged in four-hour increments. If a service call is required during the covered period, you will be charged the applicable after-hours service rate in addition to the stand-by coverage rate. If the time required to complete a service call extends beyond a four-hour increment of the contracted stand by coverage, you will be charged only the after-hours rate.

## Remote Support

The concept of Remote Support on the A Series extends beyond the analysis of memory dumps. Two types of support are available.

Through the User Datacomm interface (which will require a leased line or dial-up adapter with an appropriate Asynch/Synch line): The 'soft' support functions of performance monitoring and memory dump analysis can be conducted at the Remote Support Center.

Through the Maintenance Interface Processor: the remote diagnostic functions for hardware support will require an RS232 link to the Remote Support Center, which will normally be located within a Resource Support Center. Once the fault is identified, on site replacement of the failed card or module can take place. Maintenance kits will be held at strategic locations (RCC, branch or site) to support several user sites. These kits must be available for any site within one hour.

### Respond System

The Burroughs Coproration, recognizing the importance of maximum equipment ability and prompt, dependable service, inaugurated a new service in early 1981 . . . The Customer Service Center.

RESPOND is an on-line dispatching and reporting system used for storing and tracking all customer service requests, response time, repair time, call history and product performance.

Burroughs provides toll-free telephone WATS numbers for communication with Customer Service Centers. Our operators are available twenty-four hours each day.

The location of Field Engineers is tracked by the RESPOND system. Contact is maintained via telephone and "beepers" for prompt dispatching.

The RESPOND system provides real time visibility of Field Engineering operations to management and timely escalation of unusual situations through support echelons. The RESPOND on-line network allows the Branch Field Engineering Manager to maintain complete control and responsibility for the quality of service in the branch area.

Occasionally, a part may be required to complete a repair that is not available on site or branch stock. The RESPOND network provides immediate access to our District Parts Centers and the system tracks Logistics Specialists who are responsible for assisting the branches by monitoring all "urgent" orders and coordinating the prompt delivery of the parts of the Field Engineers.

Product Performance Specialists monitor equipment performance and provide support to the local Field Engineer via telephone or on-site assistance if required.

## Equipment Installation Services

Installation services - unpacking, assembly, connection, and performance testing of newly delivered computer equipment and associated peripheral devices are provided by Burroughs at no charge. (Note that data-comm modems are a special device and do carry an installation charge.)

Some products (e.g., added memory, controllers) installed as add-ons after the initial installation also have an installation charge.

You are responsible for any outside moving costs required to locate or relocate equipment within the computer facility.

#### Relocation Services

If you change your facilities and need to have your equipment relocated, Burroughs will provide a support service at the current after-hours rate. This service includes disassembly and reassembly and testing at the new location. In addition, you may contract for installation planning services for the new location.

If equipment is to be relocated in the same facility because add-on equipment is being installed, Burroughs will provide this service at no charge.

You are responsible in all cases for obtaining any outside moving and all costs associated with this relocation.

#### Reporting of Equipment Problems

If you need remedial maintenance for any of your Burroughs equipment, call the Customer Service Center on the Toll-free telephone number. You will find the number to call and the style number of the equipment on a sticker that field engineering has placed on your equipment.

#### Responding to Equipment Problems

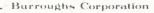
Your local field engineer has the primary responsibility for maintenance of your equipment and will usually be the one responding to your service call. However, additional levels of support are available and your problem can be escalated, through Branch, District, Region and Customer Support Centers to whatever level is necessary.

In addition to providing multiple support levels for maintenance, we also monitor your equipment down-time. When your field engineer expects, or finds, that your equipment down-time--resulting from a problem caused by Burroughs products or services--will exceed our minimum criteria, the Branch Field Engineering management will be notified and will then take additional action if necessary to correct the problem. Should the problem not be solved and down-time exceeds our second-level criteria, District management will be informed. This process continues automatically through all levels of support until the problem is corrected. Down-time hours are measured by the period of contracted time in your maintenance agreement. If you are not covered by a maintenance agreement, hours are measured by our normal business hours--8 a.m. to 5 p.m., excluding Burroughs recognized holidays.

#### Replacement Part Support

Ready availability of replacement parts is a key element in our ability to reduce the service time on your equipment. Depending on frequency of use, parts may be stocked at your site, our branch, at the District Parts Depot, or at a national parts distribution center. In emergency situations, we may even communicate directly to the manufacturing plant for replacements.

Generally, parts are available within two hours. For emergency orders to the national parts distribution center, overnight delivery is provided, while parts required from the manufacturing plant take from 48 to 72 hours for delivery. Times may, on occasion, vary from the above.



#### DIGEST SHEET

TITLE OF ORDINANCE: SPECIAL

DEPARTMENT REQUESTING ORDINANCE: PURCHASING

SYNOPSIS OF ORDINANCE:

1-85-08-21

An ordinance approving the awarding of a bid with respect to the purchase of Hardware requirements to support Infrastructure Management and Office Automation System as per the specifications in reference Bid #743.

#### EFFECT OF PASSAGE:

Data General Computer, Perpheral and operating software for Infrastructure Management System, (IMS), a computerized work order driven geo-data base, including software package for office automation. IMS has been implemented in division of public works. Office automation to be integrated into operating departments as requests are received.

#### EFFECT OF NON-PASSAGE:

Failure to purchase necessary computer system will result in forfeiting implementation of IMS and OAS. Further work on data base inventory and sus-system design would be ceased.

# MONEY INVOLVED (Direct costs, Expenditures, Savings):

Compusystems, Inc., - \$445,380.00

ASSIGNED TO COMMITTE (President):

REPORT OF THE COMMITTEE ON

CITY UTILITIES

VE, YOUR COMMITTEE ON CIT	TY UTILITIES :	TO WHOM WAS
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